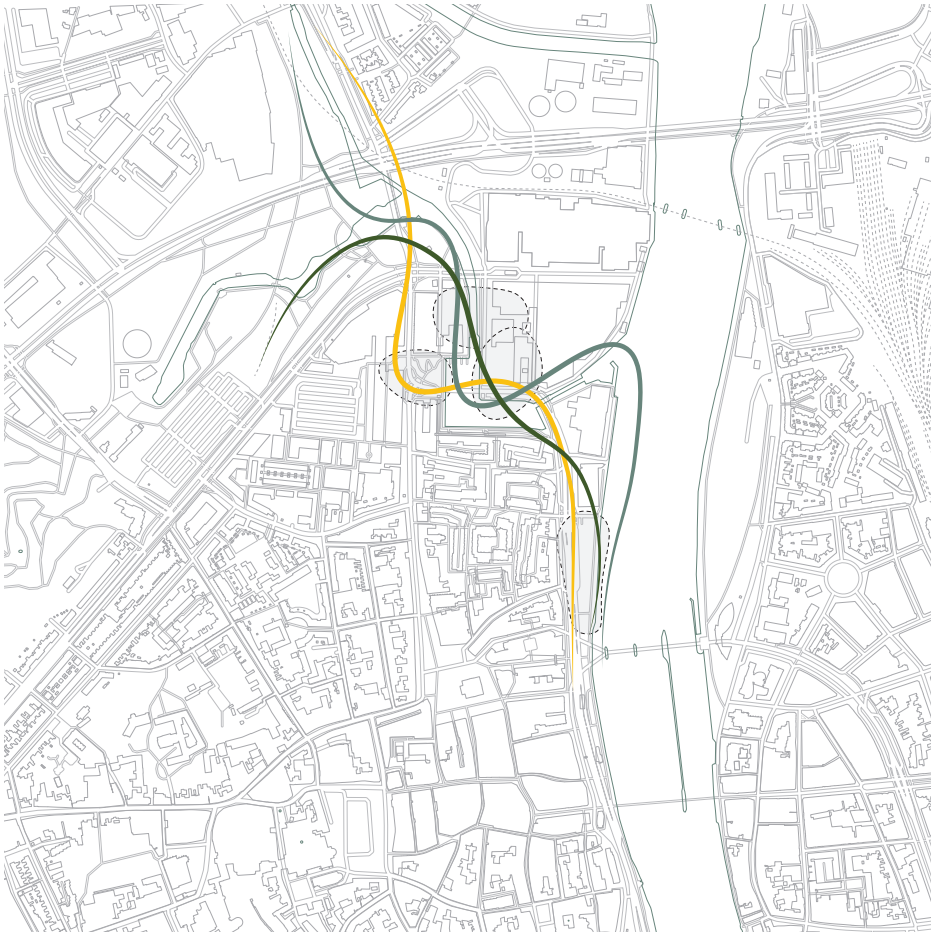


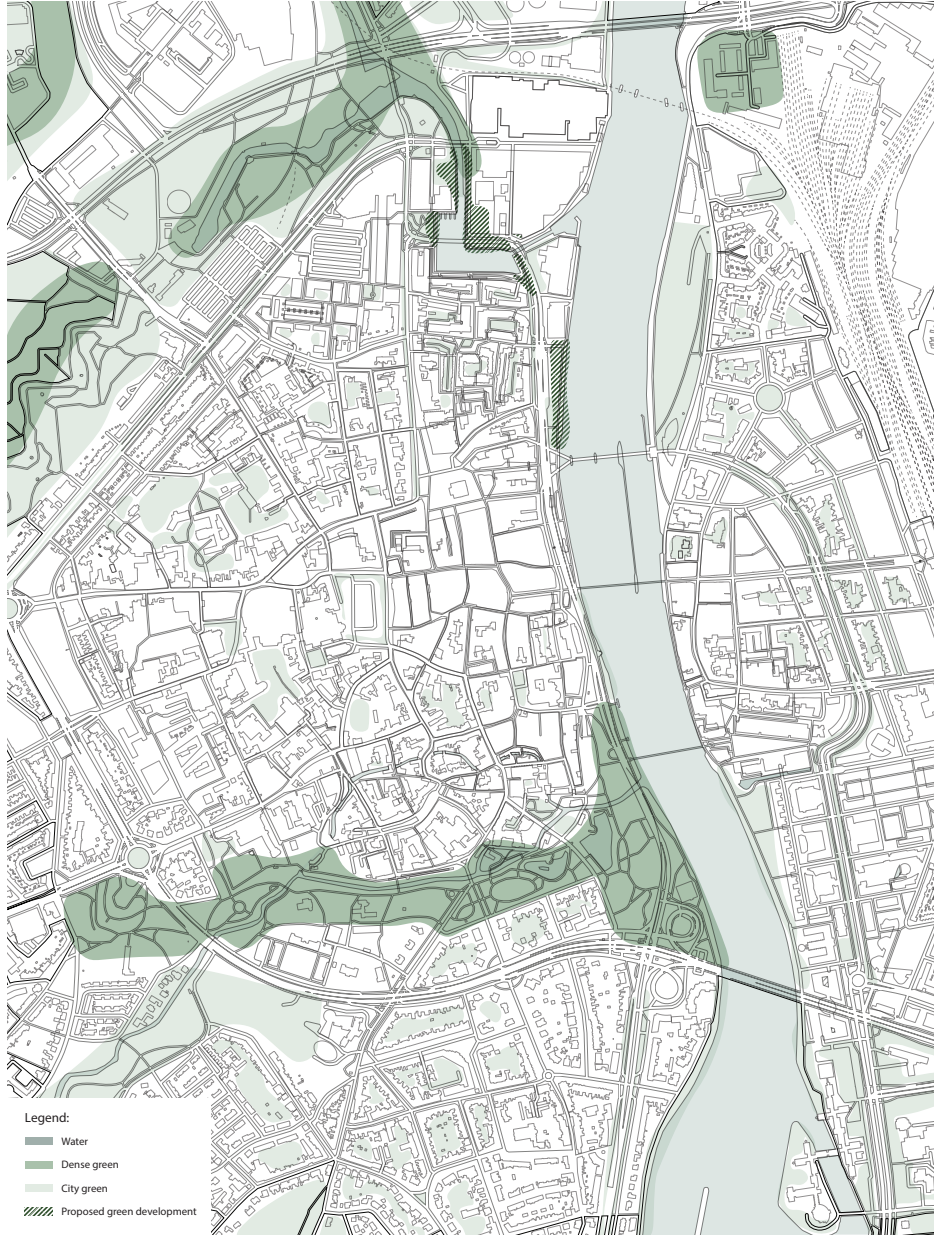
Drawings Set

AR3UA100
Urban Architecture Graduation Studio 2021/2022

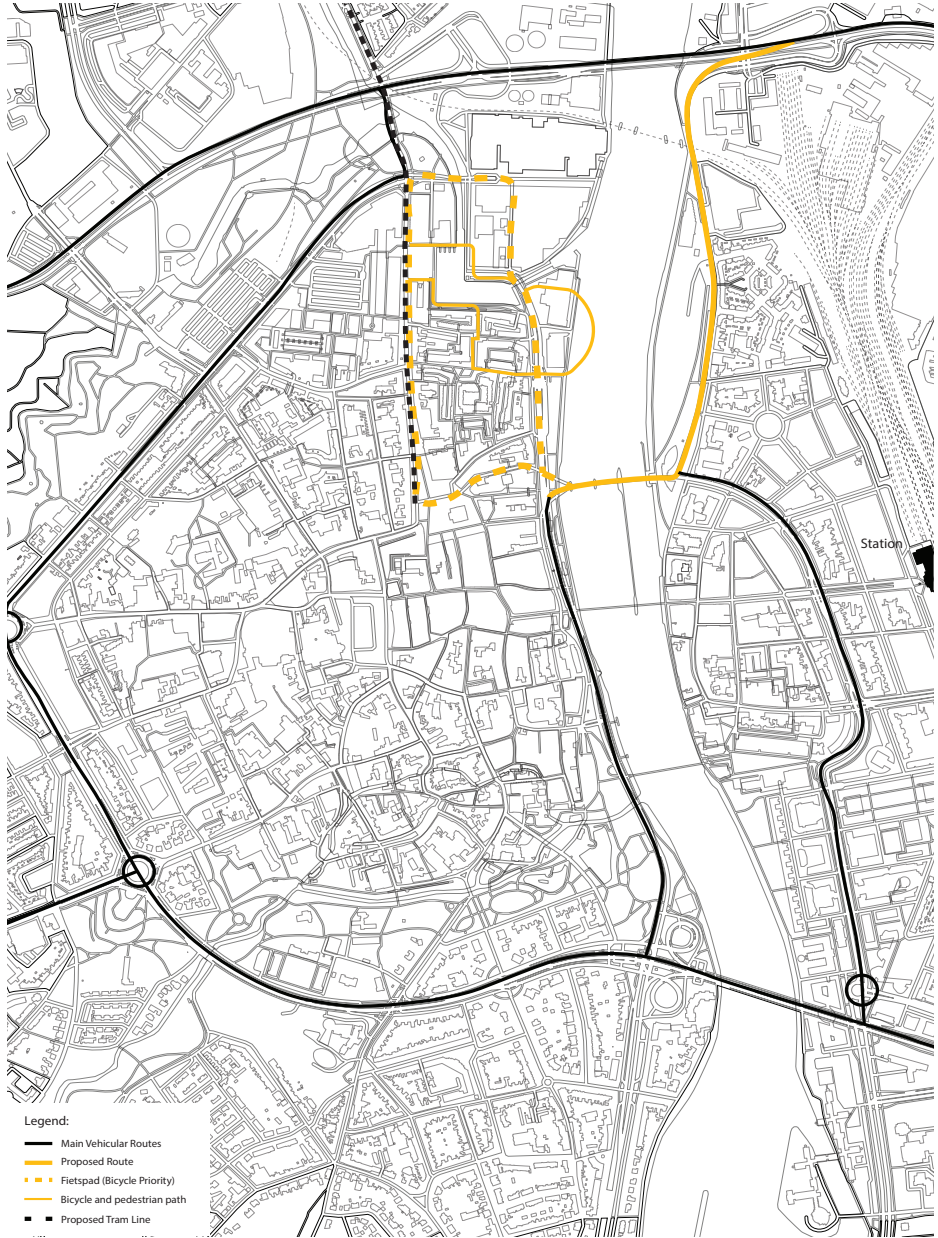
TU Delft
Faculty of Architecture
Master of Architecture
Urbanism and Building Sciences
Faculty of Architecture



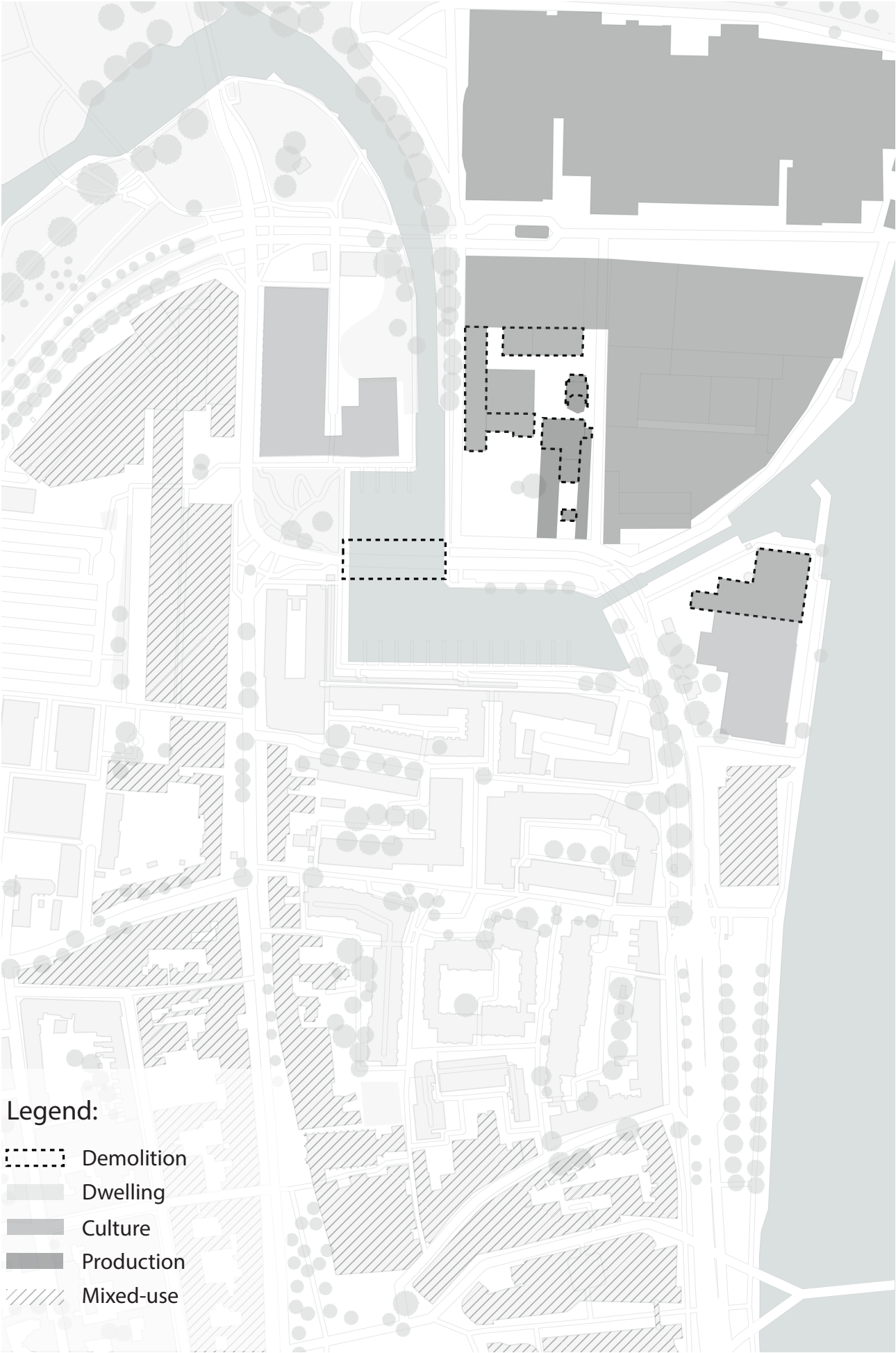
Urban plan



Ecology map



The Spine of Everyday concept sketch
Connectivity map

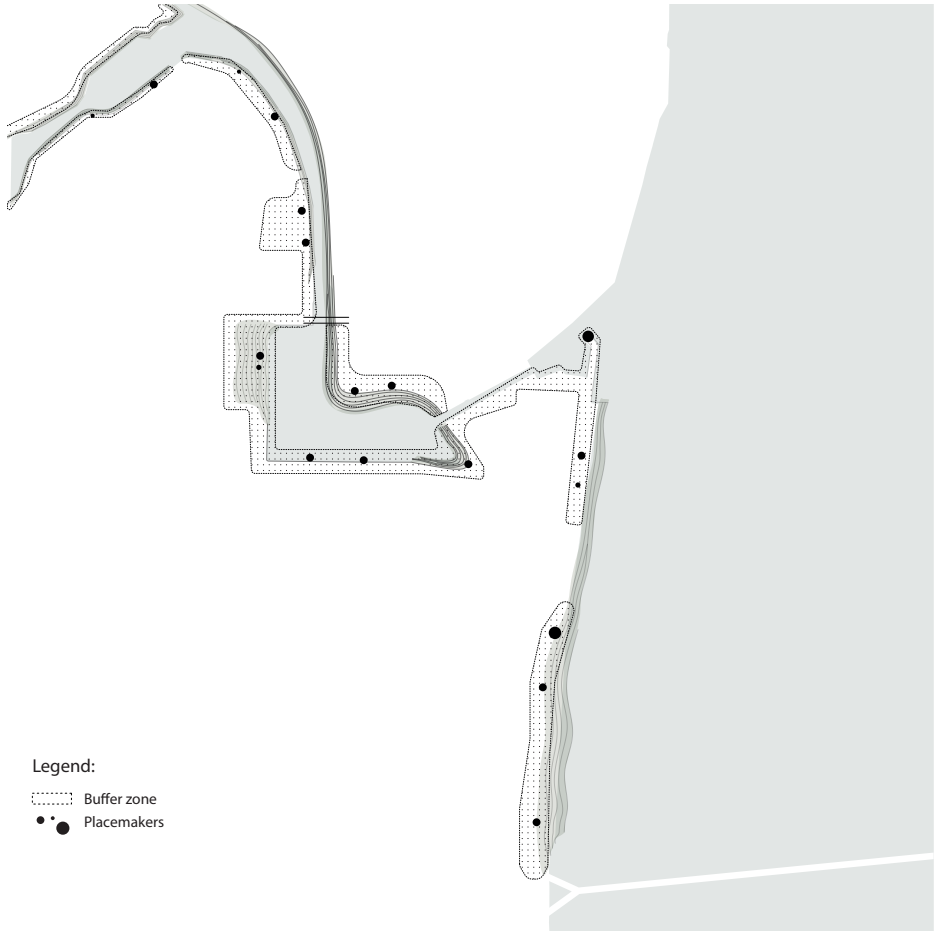


Functional analysis

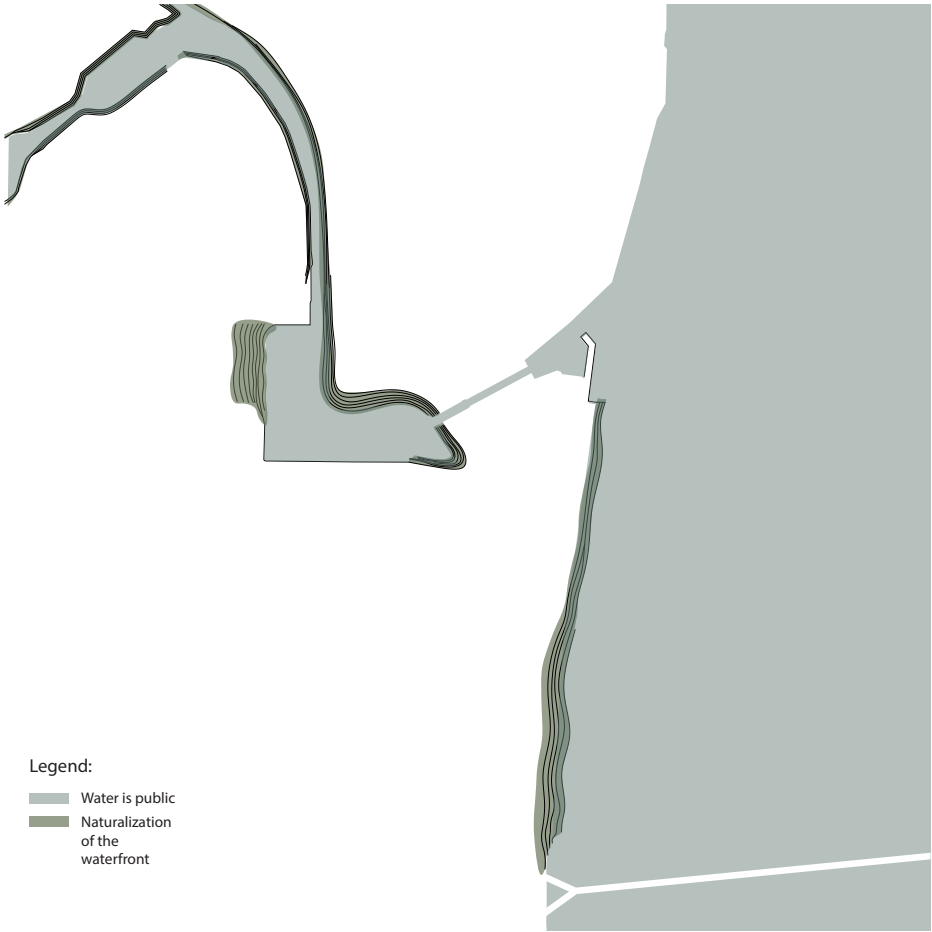
Urban strategy
Manifesto



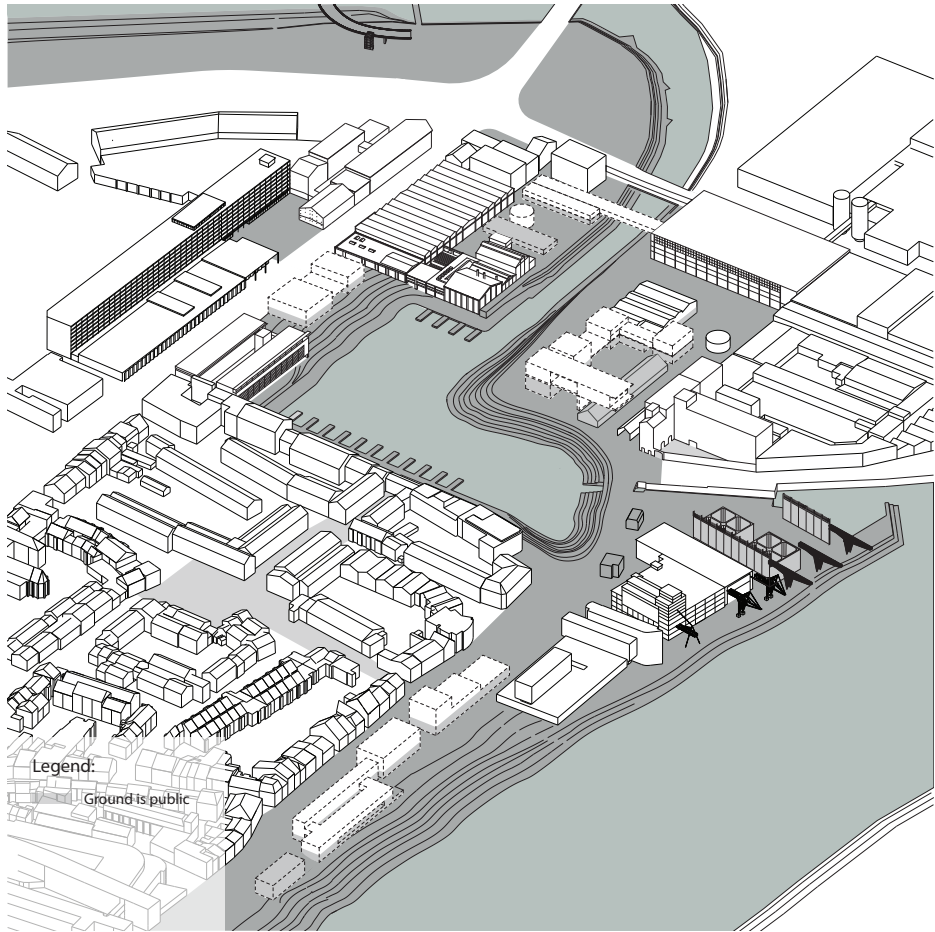
Non-tabula rasa approach - gleaning the context



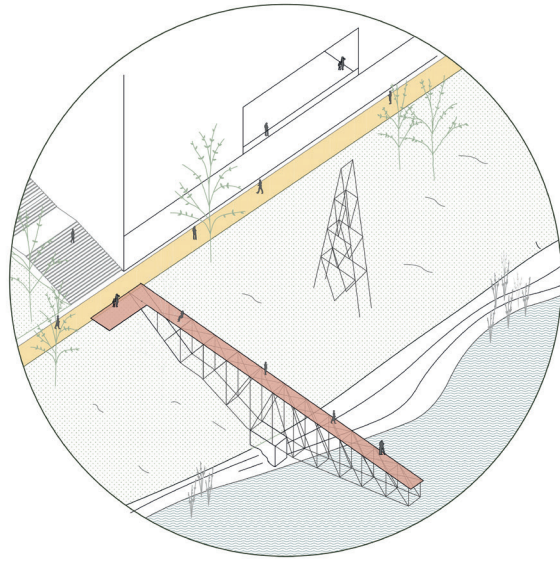
Green is public - green as a buffer zone with public functions



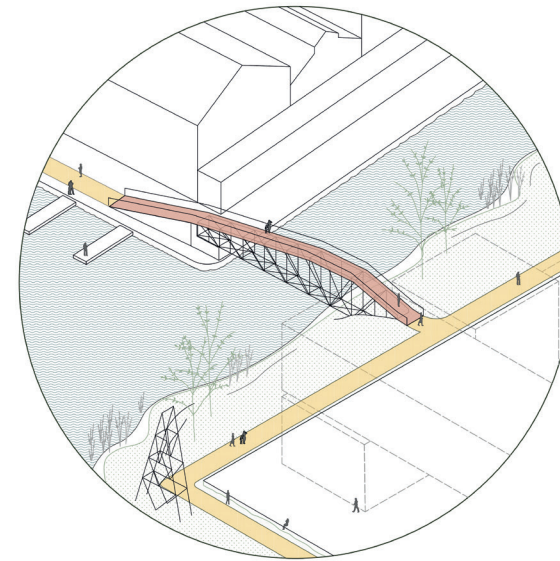
Water is public - renaturalisation of the riverbanks



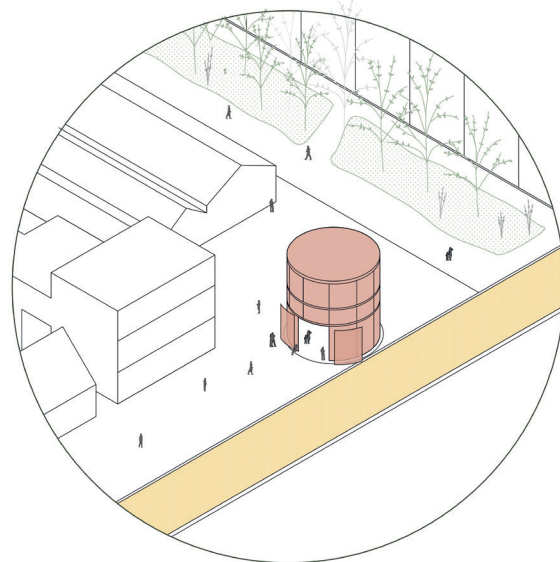
Ground is public - keeping groundfloor functions as public/ common



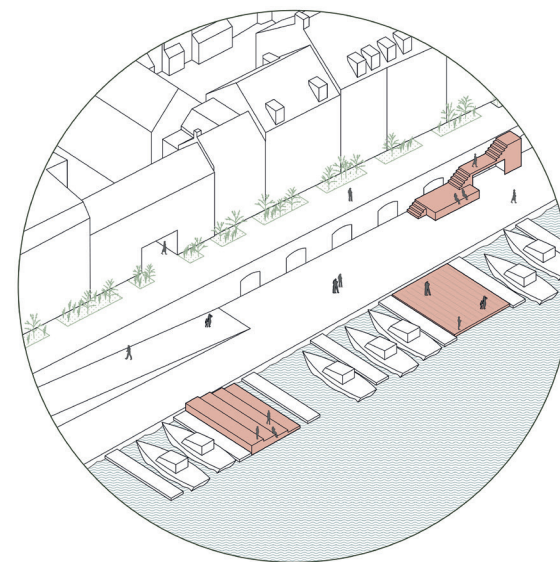
Promenade



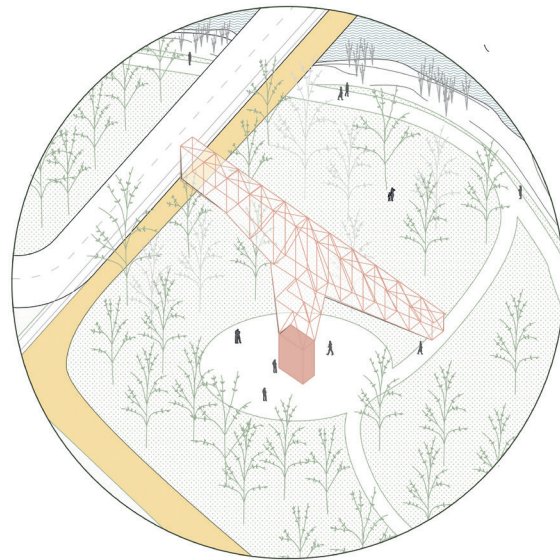
New Footbridge



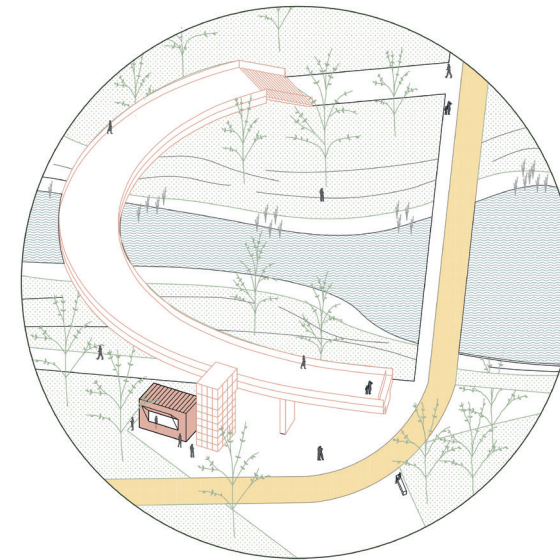
Silo



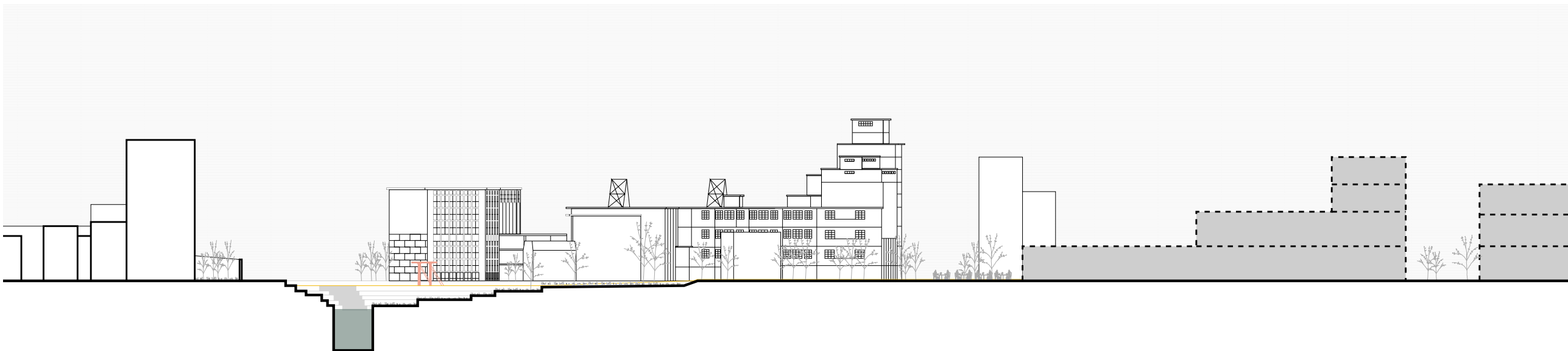
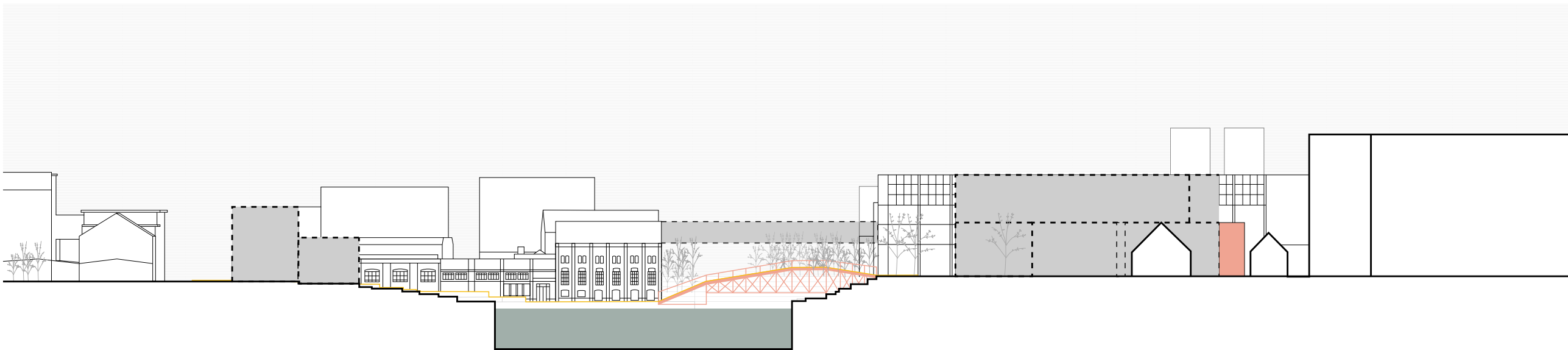
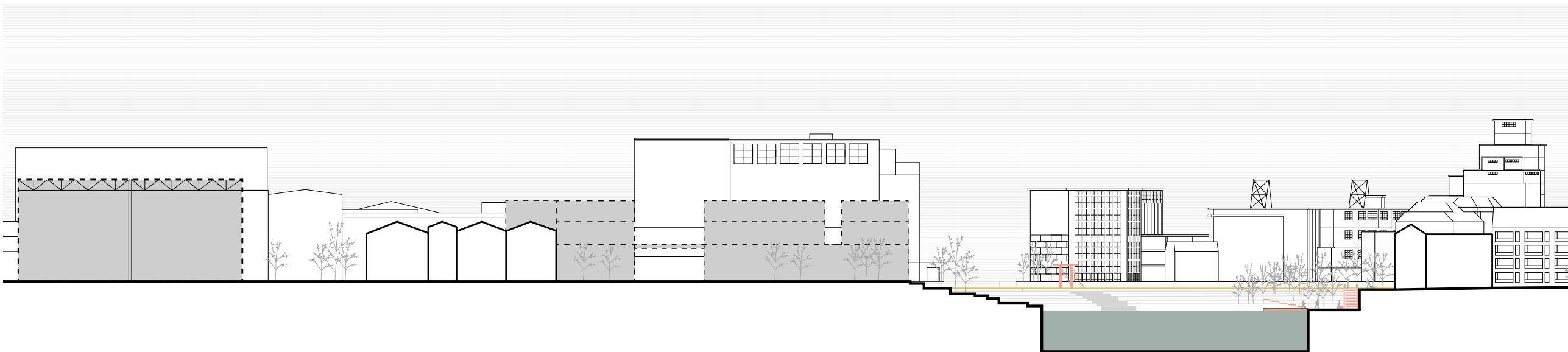
Bassin

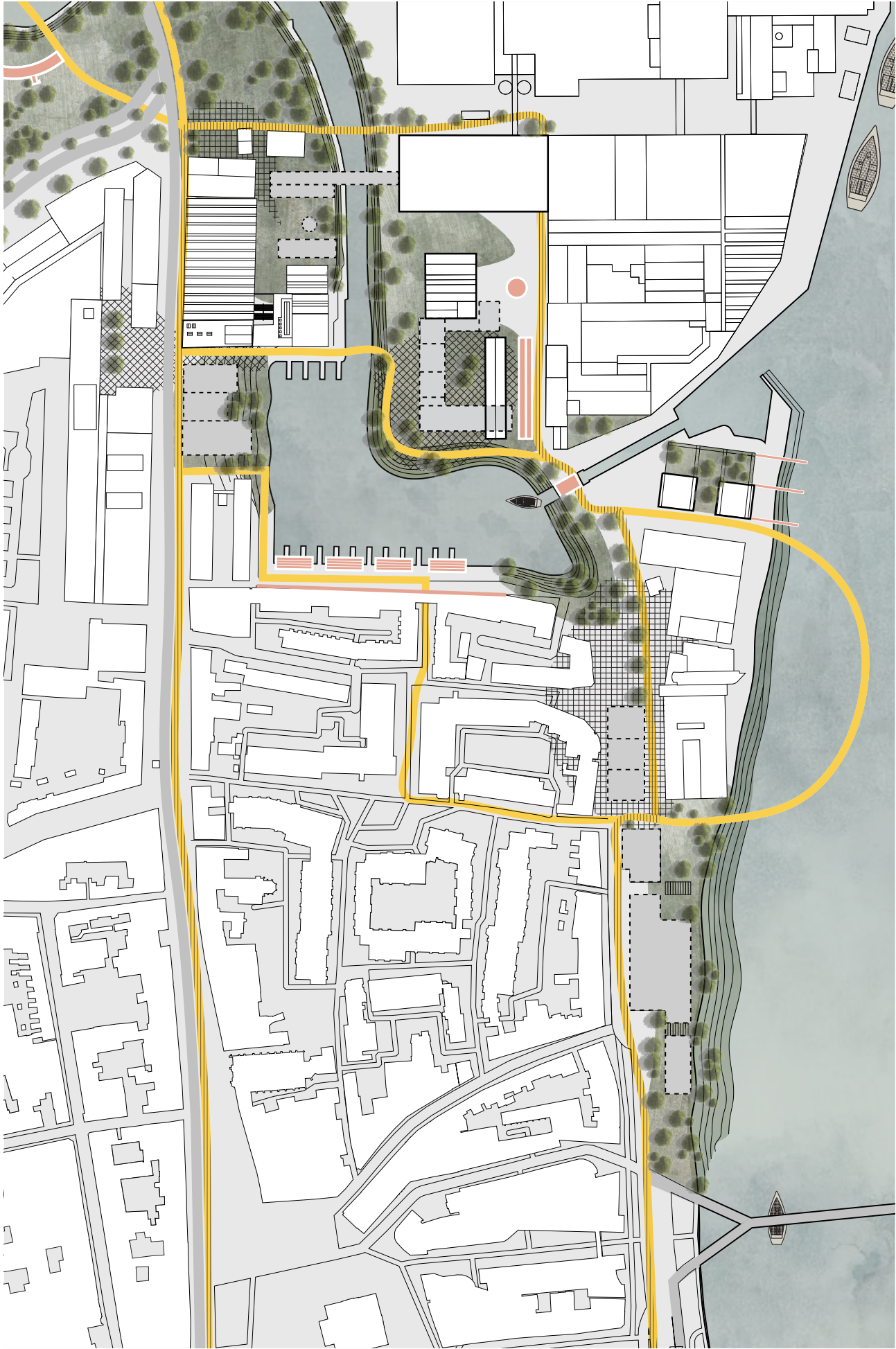


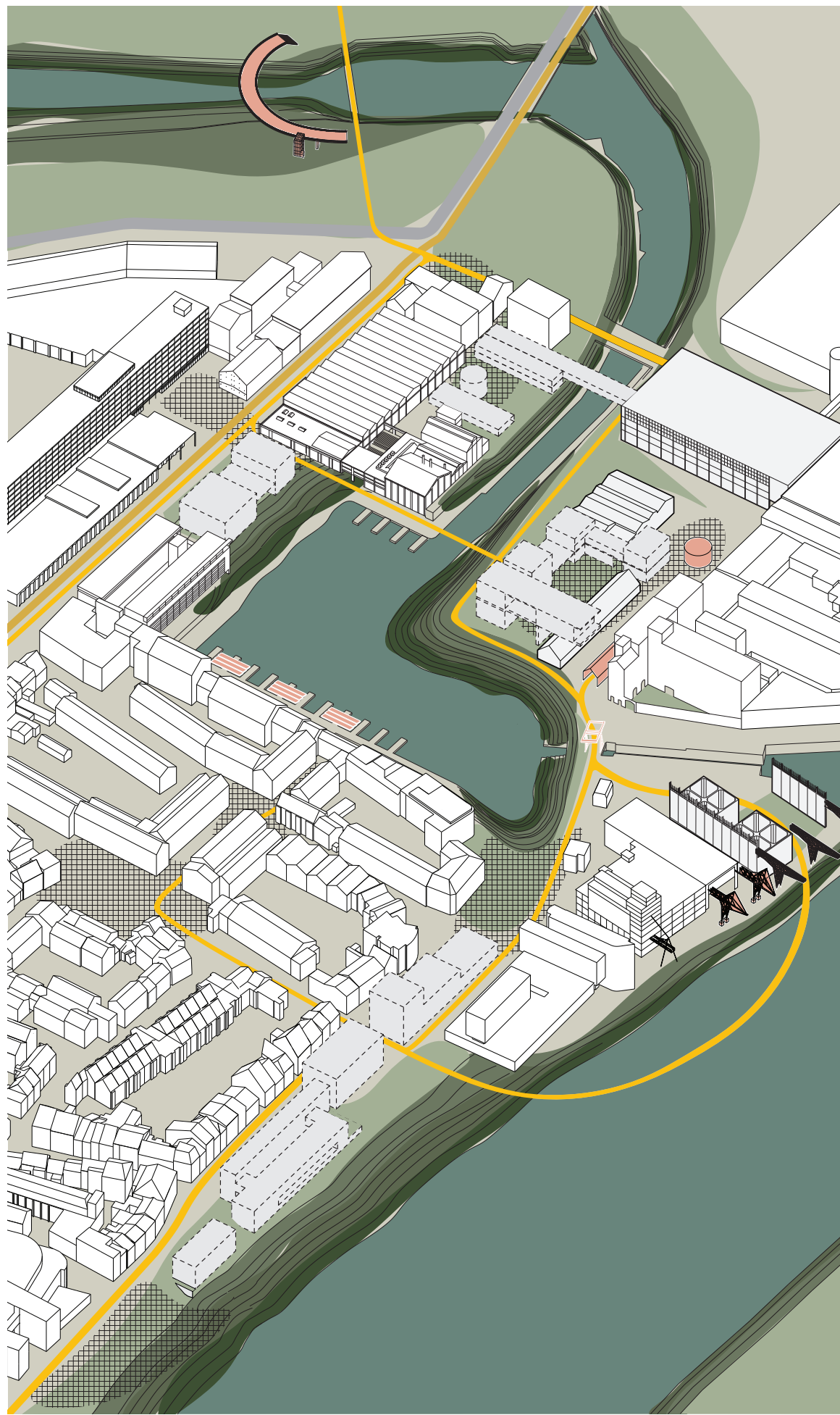
Park extension



The Krul

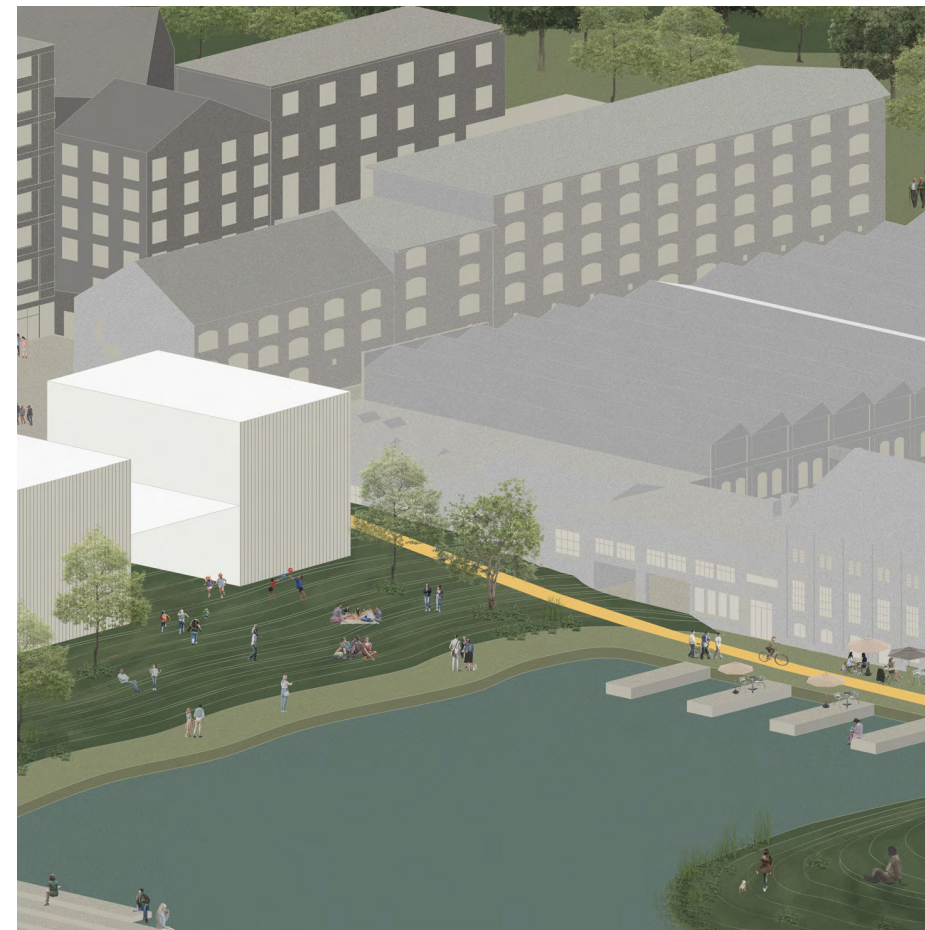








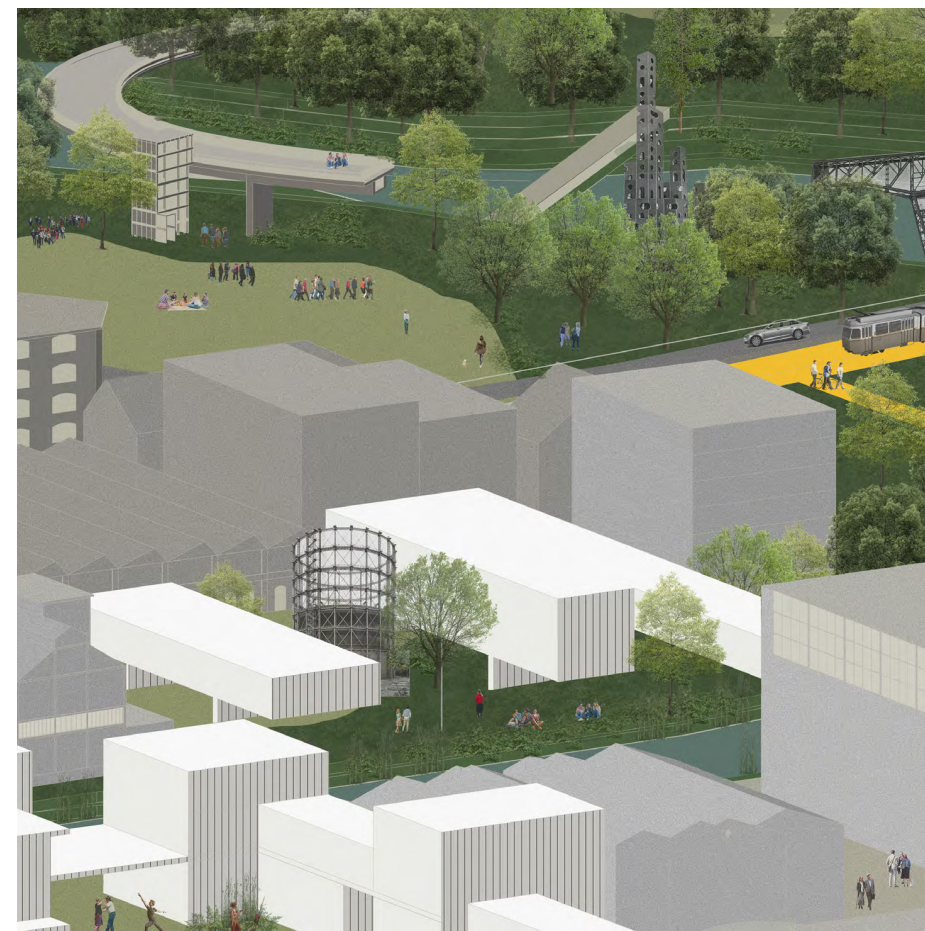
Promenade - inclusive housing complex



Bassin redevelopment and new primary school



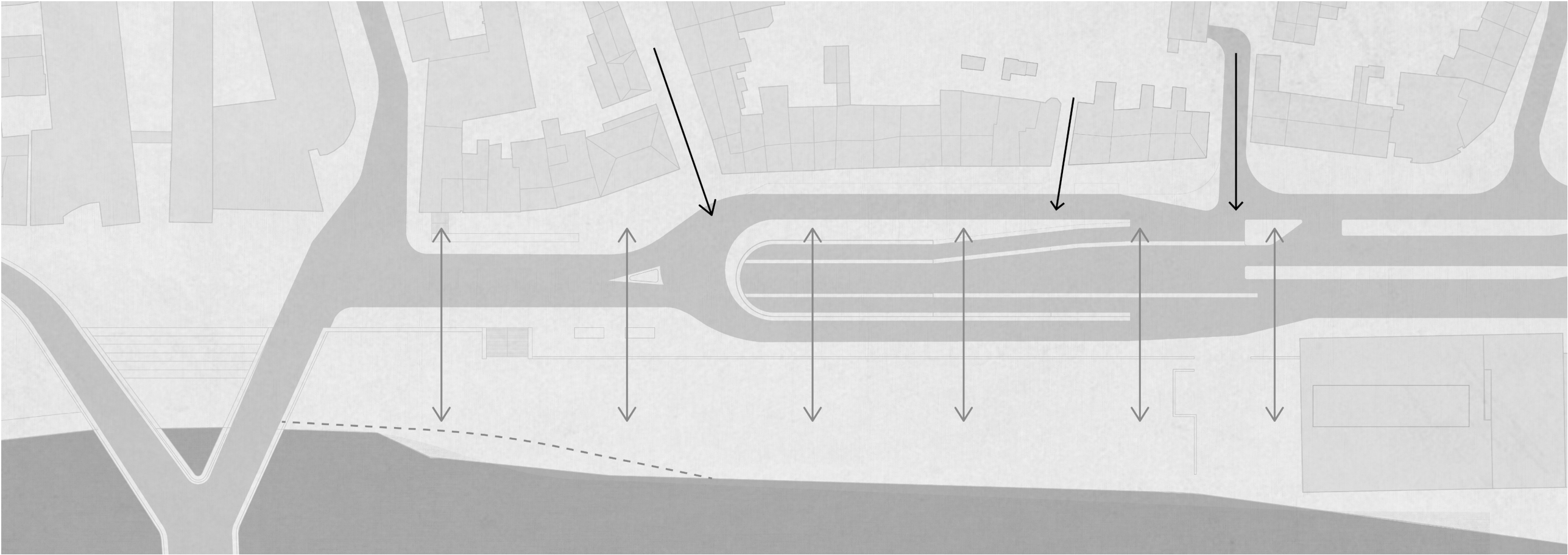
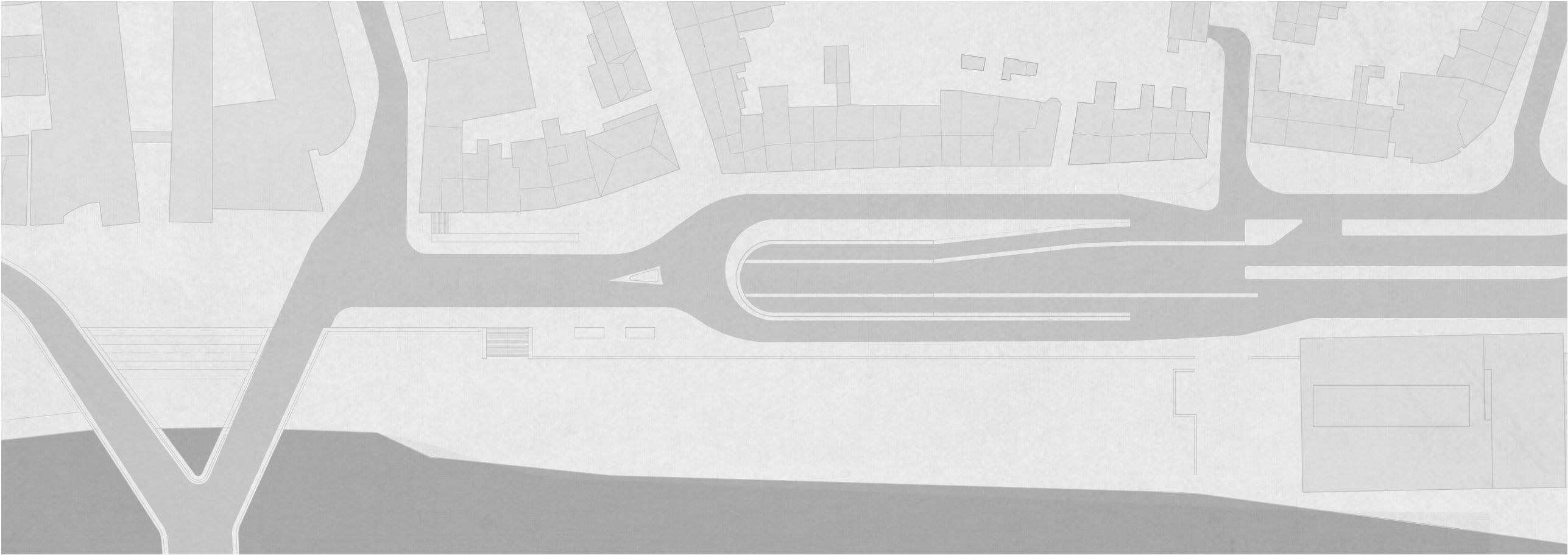
Bassin - public square

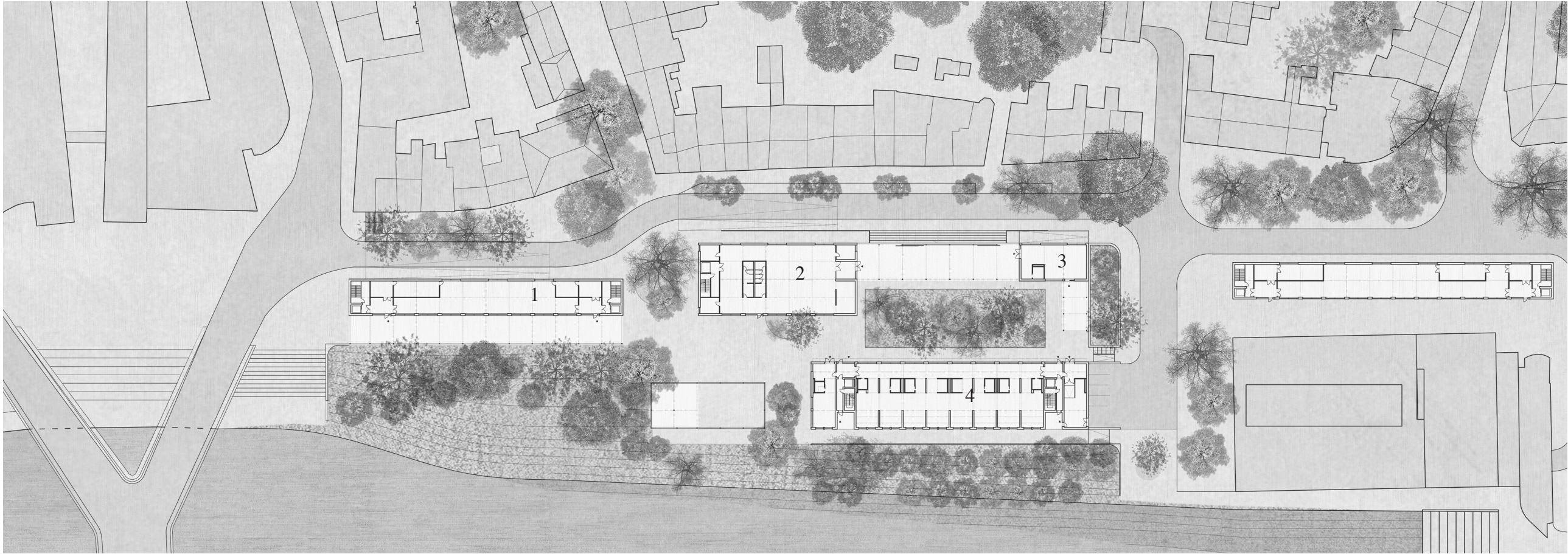


Sappi/ Lumiere - living and working spaces



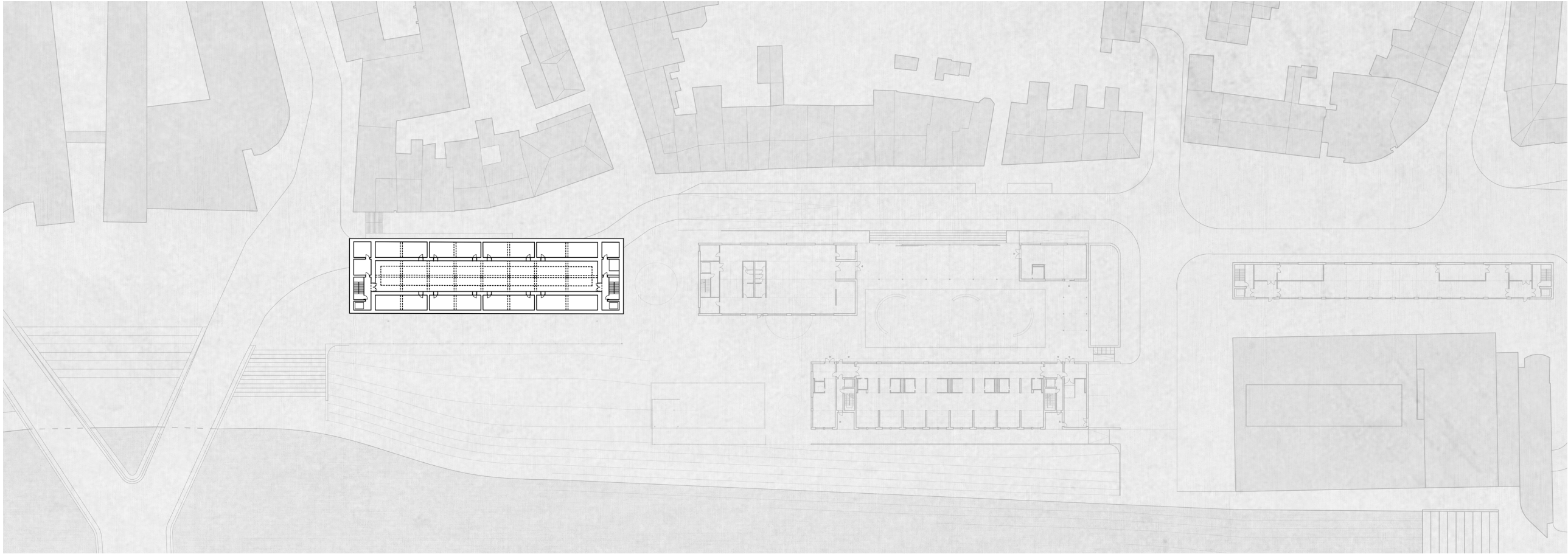
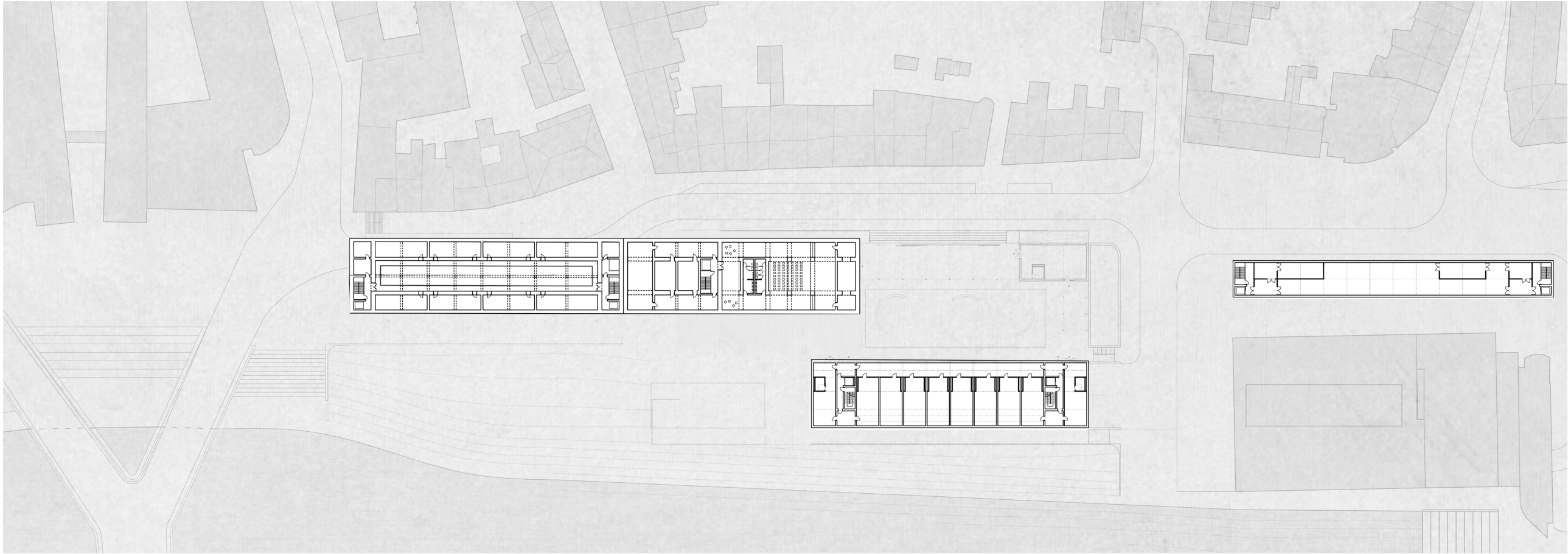
Master plan

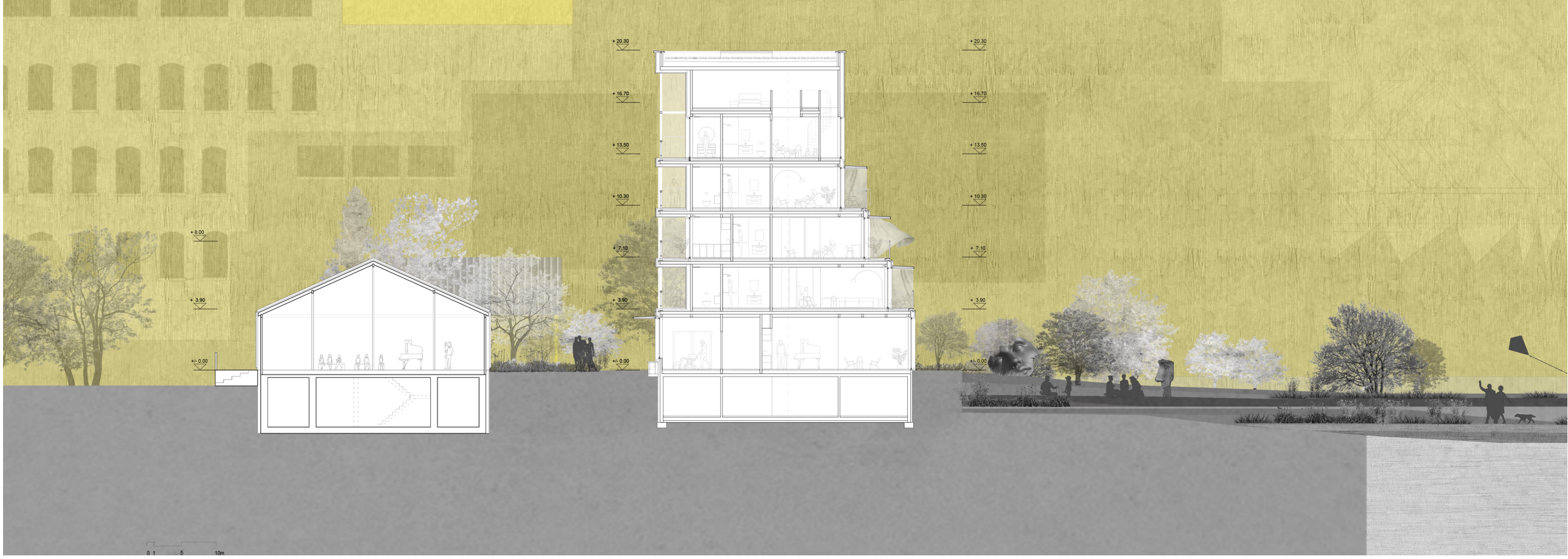




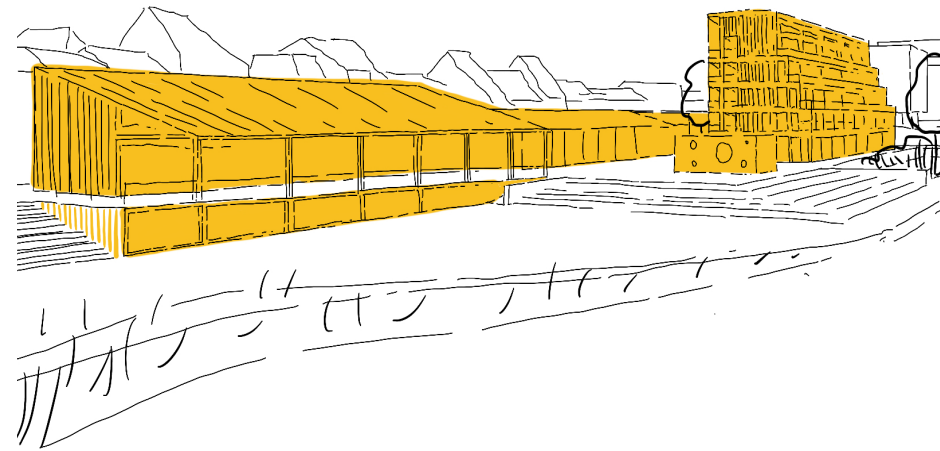
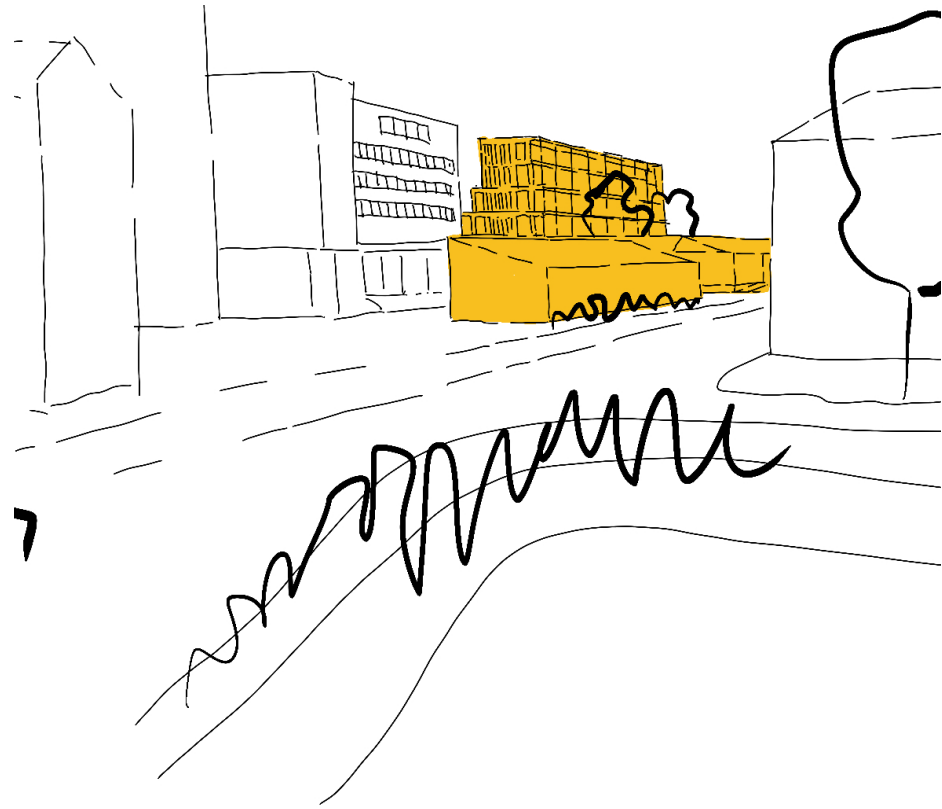
Site plan

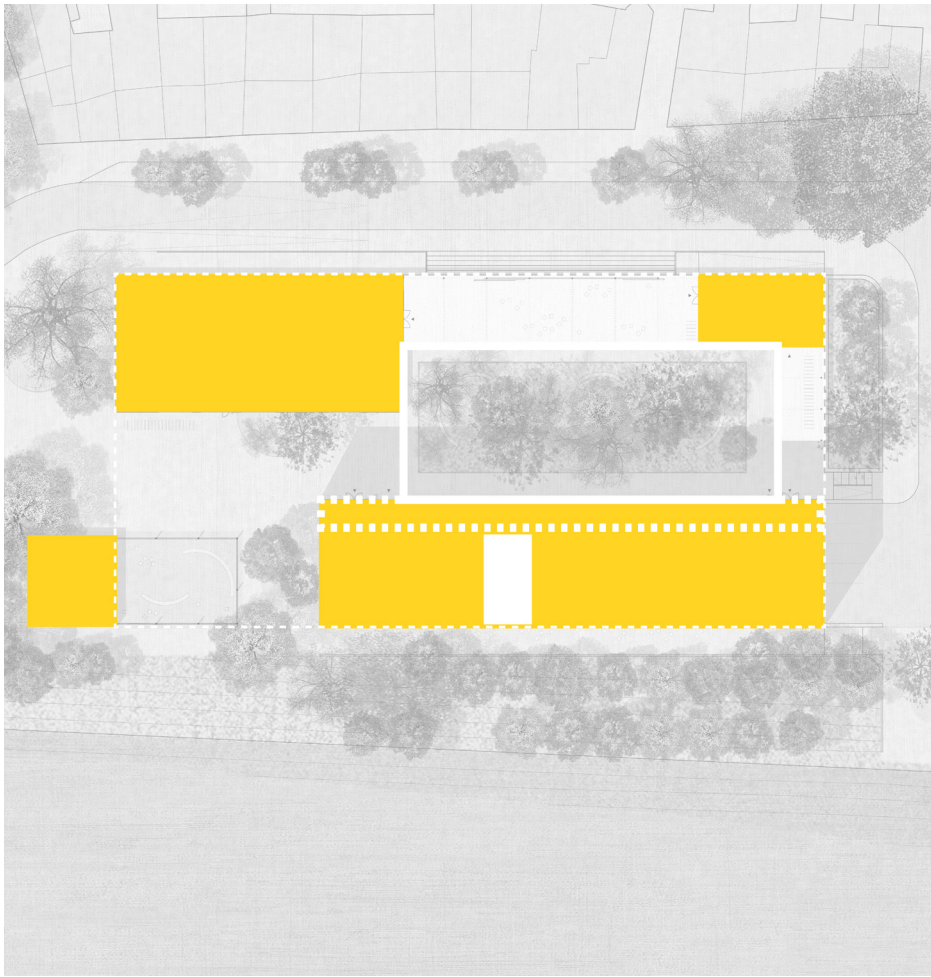
- 1 Youth Center
- 2 Day Care
- 3 Workshop
- 4 Inclusive housing
- 5 Mix-use pavilion





Concept sketches

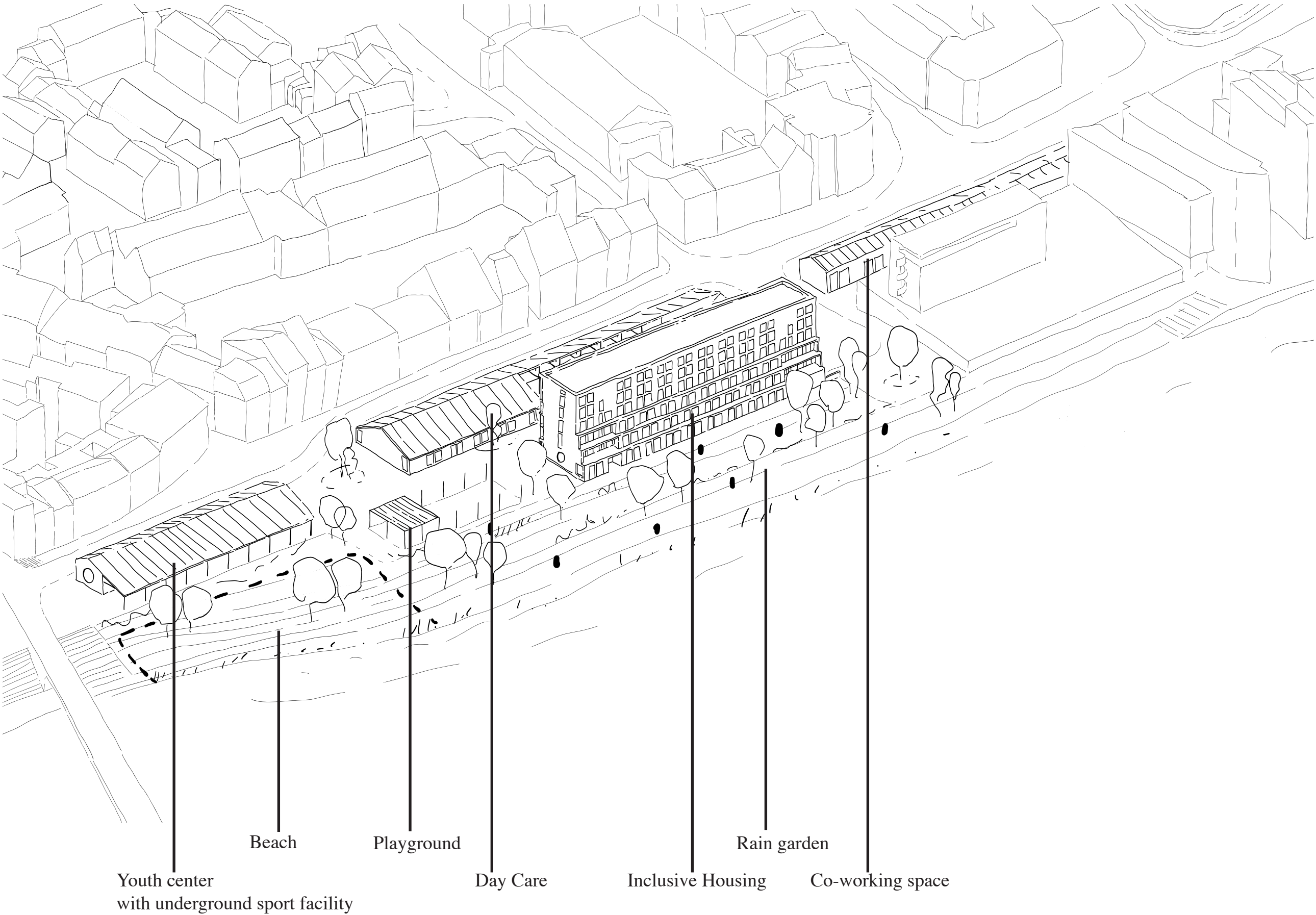


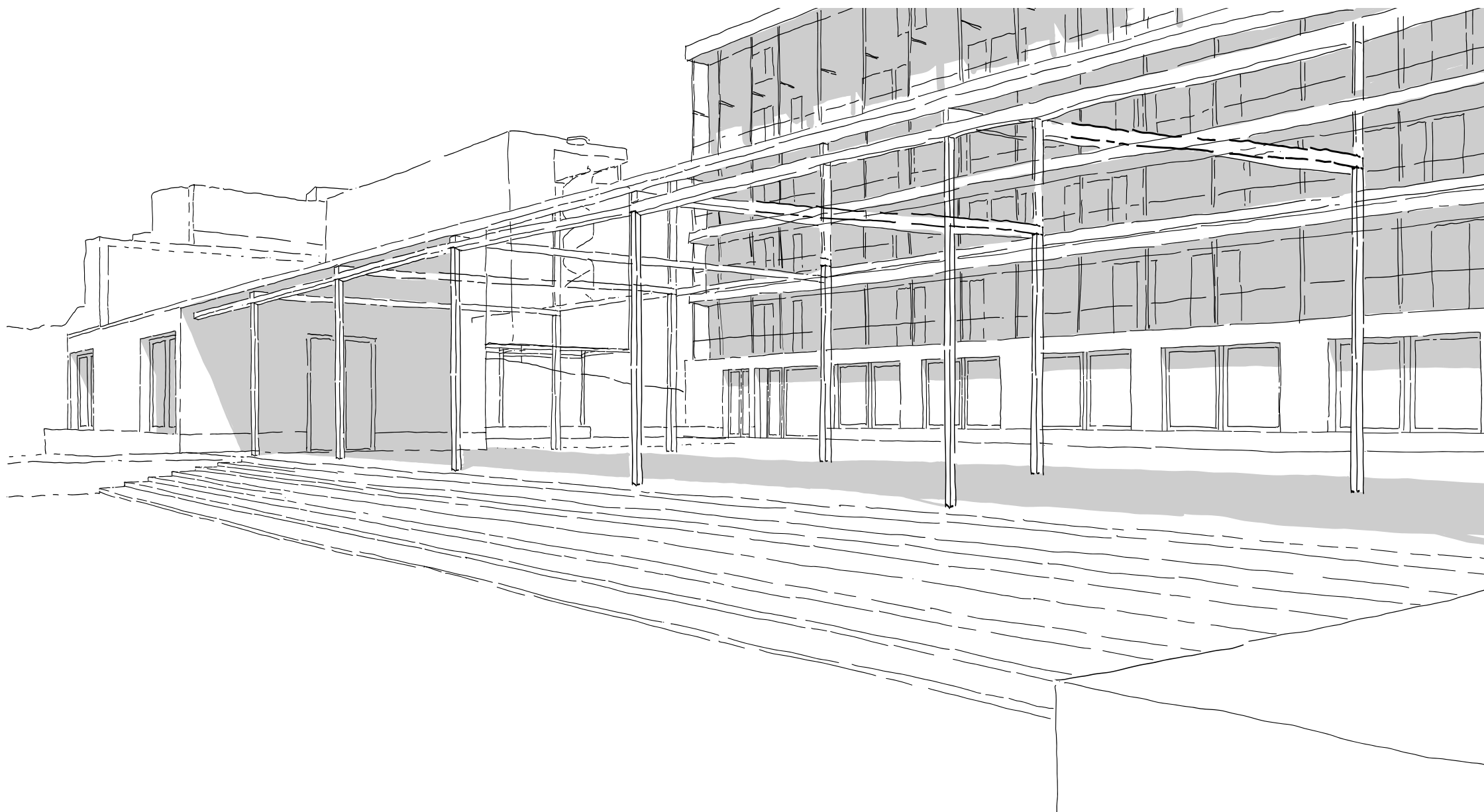


Courtyard | Gallery | Cell



Inclusive housing complex





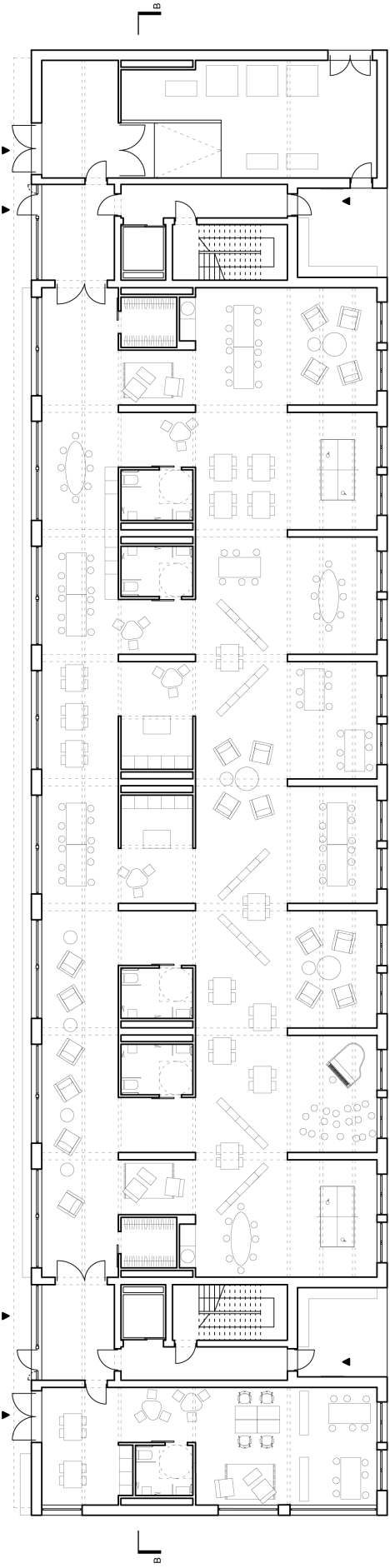


Apartment concept

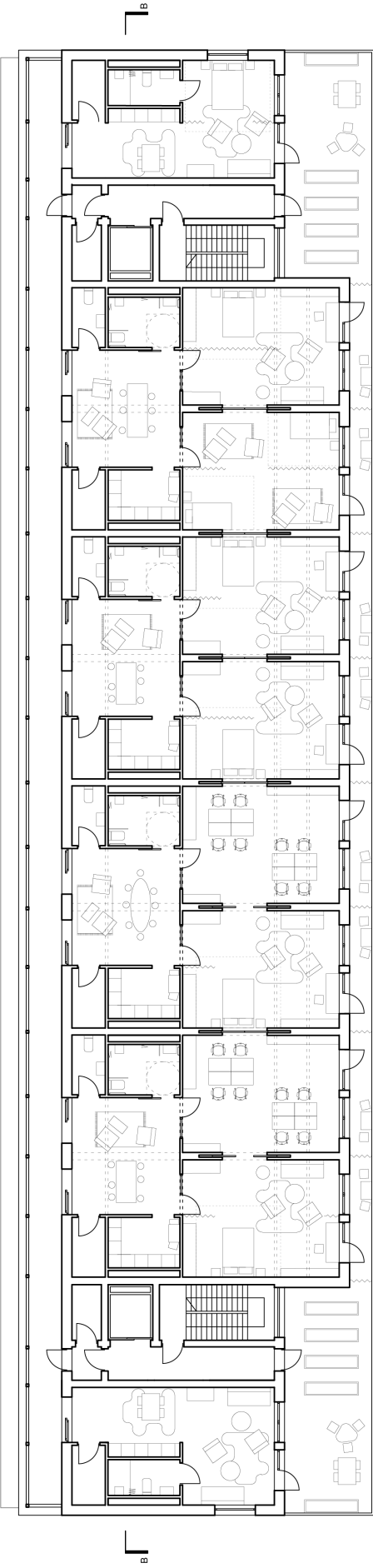


Apartment concept

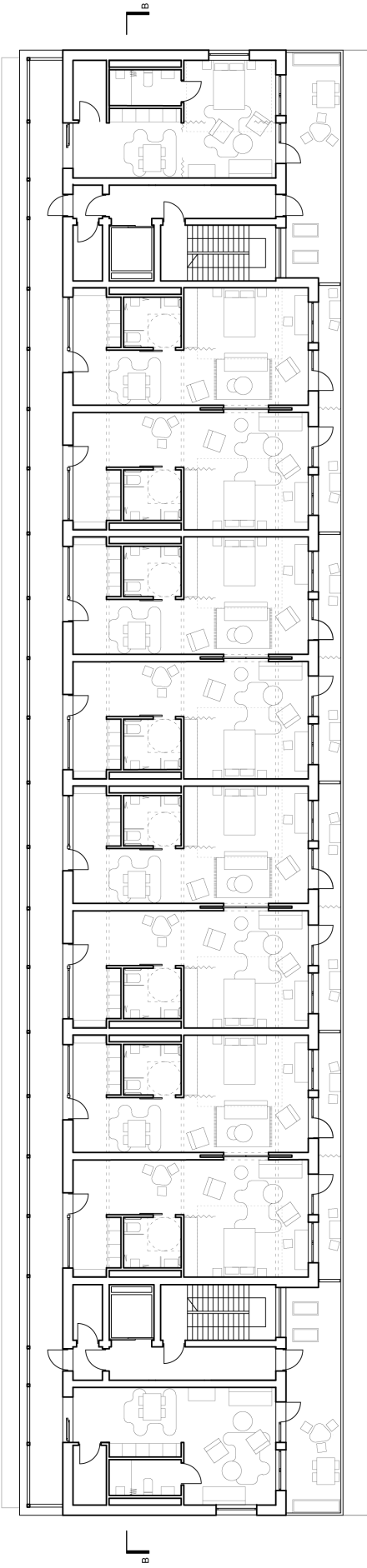
0 Ground floor



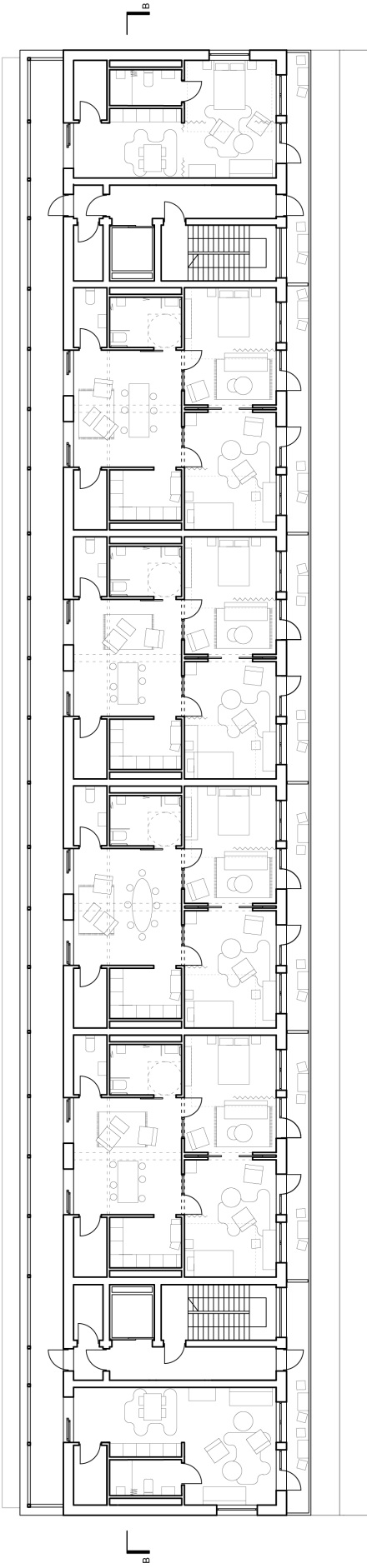
+1 Shared Housing

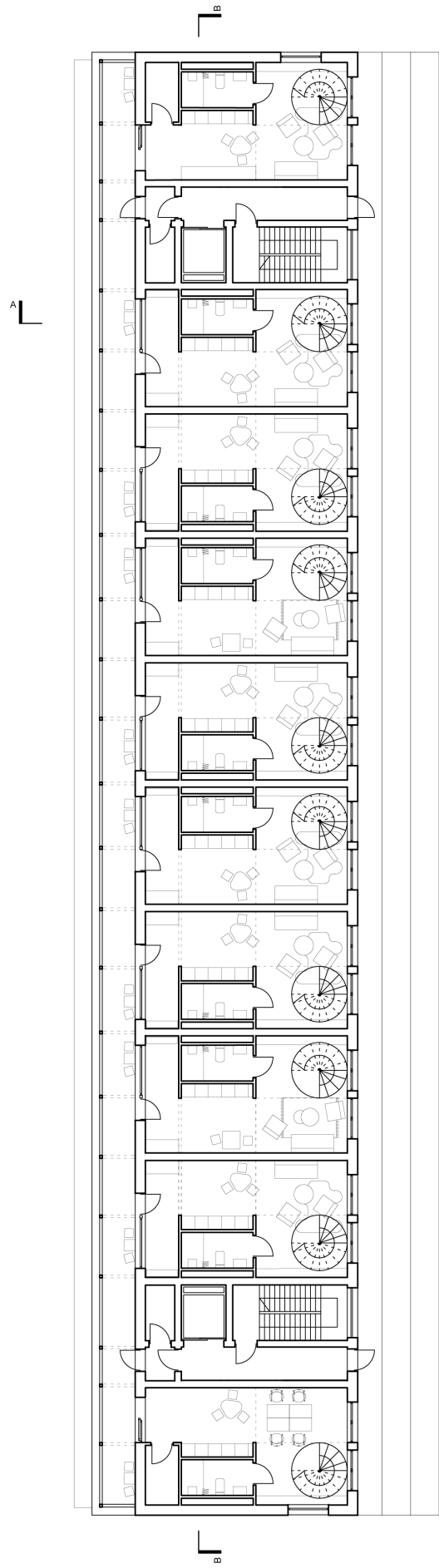


+2 Studios + assisted living

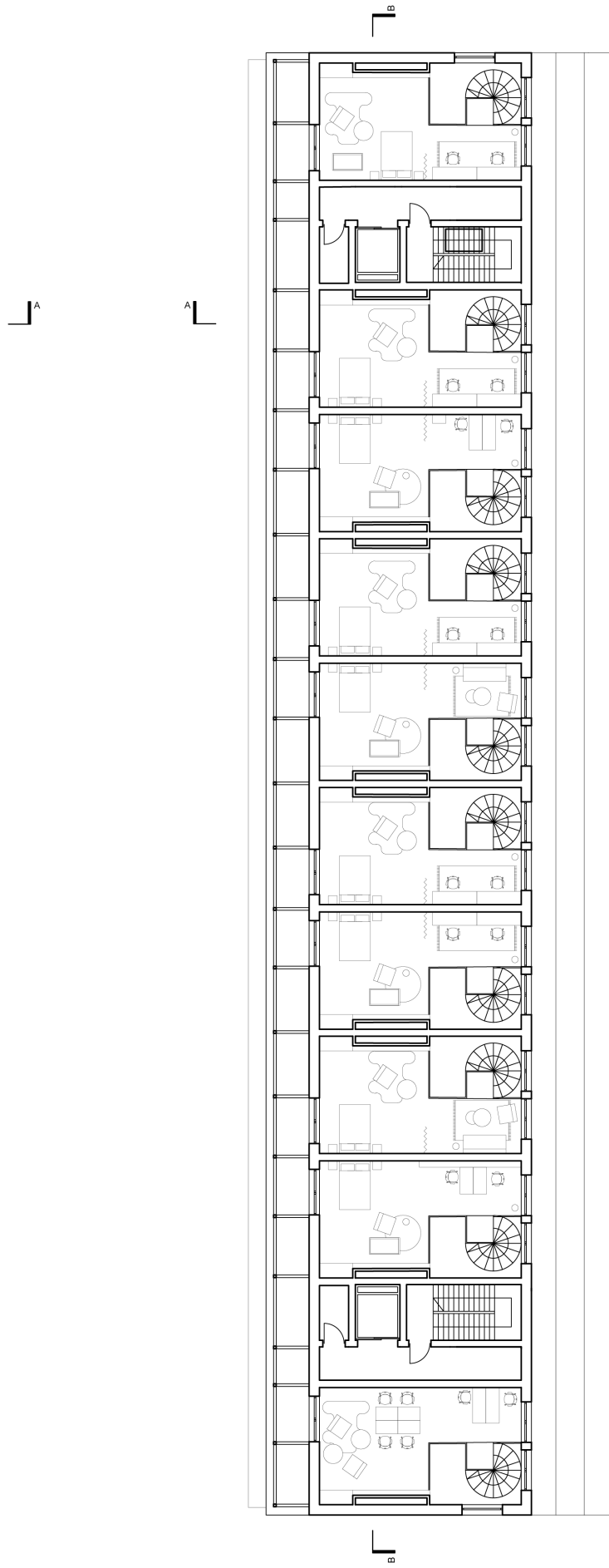


+3 Family Dwellings

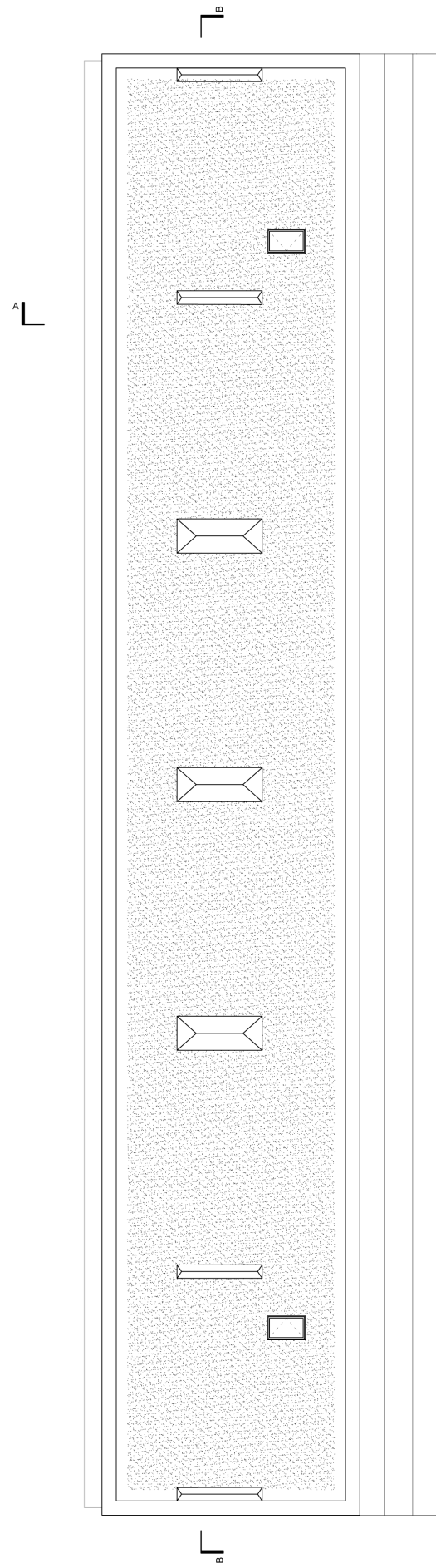




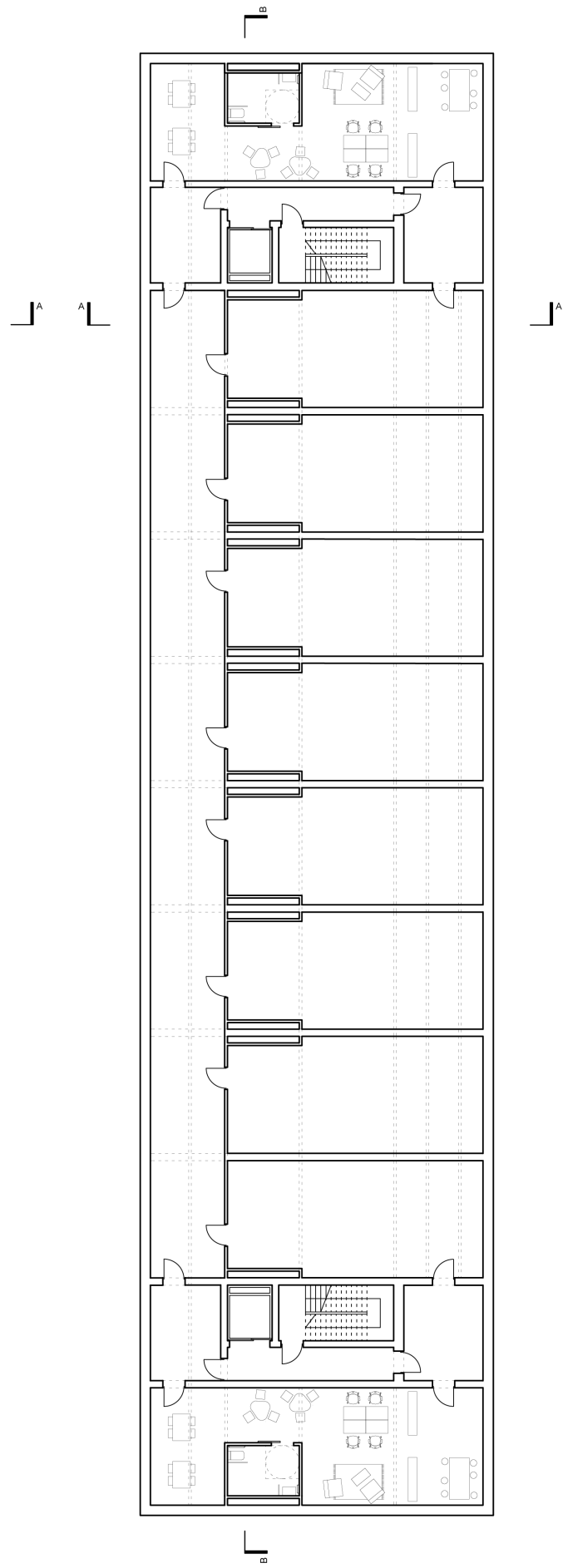
+4 Mezzanine Apartments



+4 1/2 Mezzanine



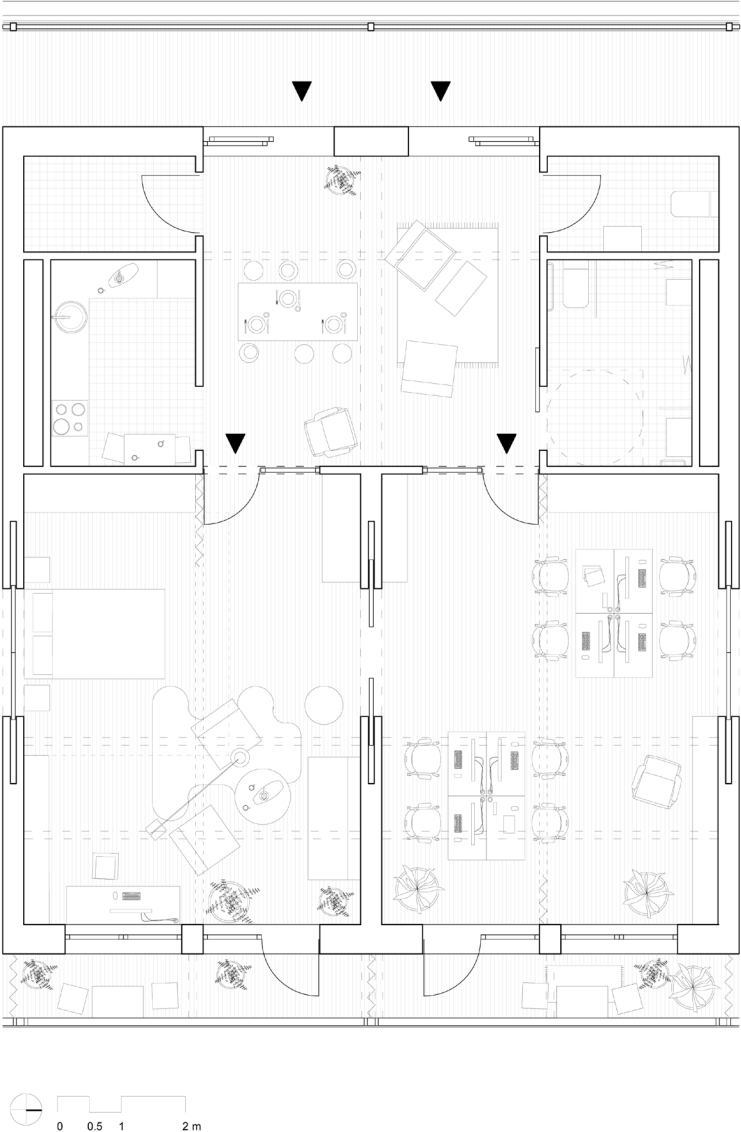
+5 Roof



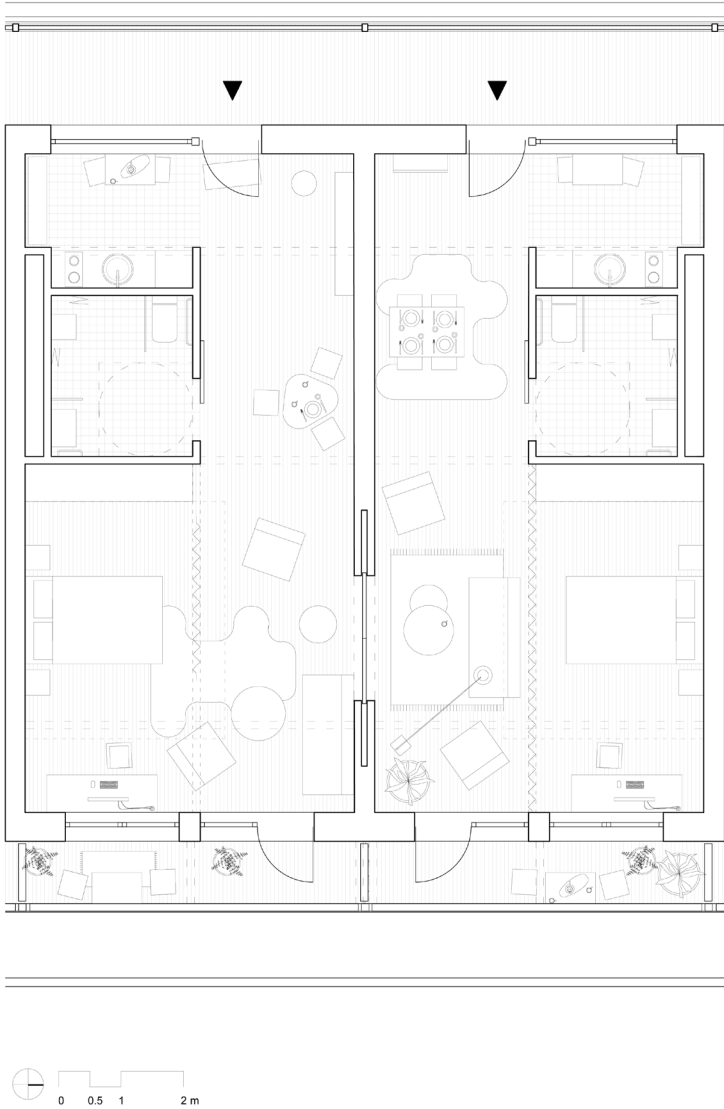
-1 Technical Utilities



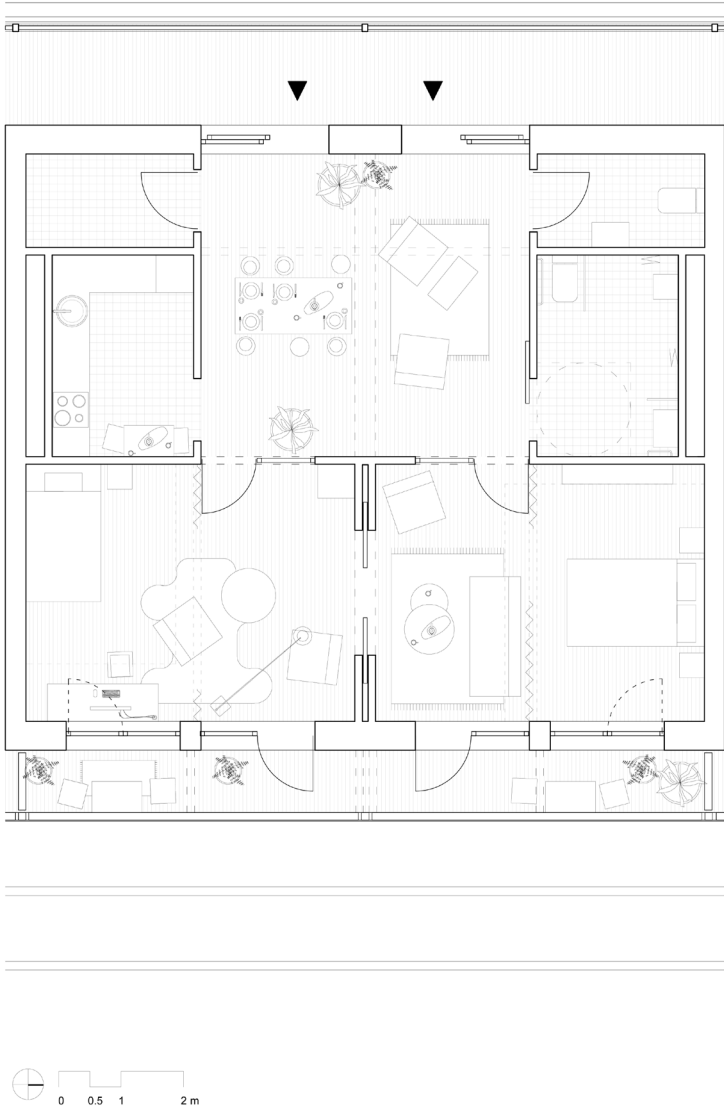
+1 Shared Housing 37 m²
(+ 48,5 m² of shared space)



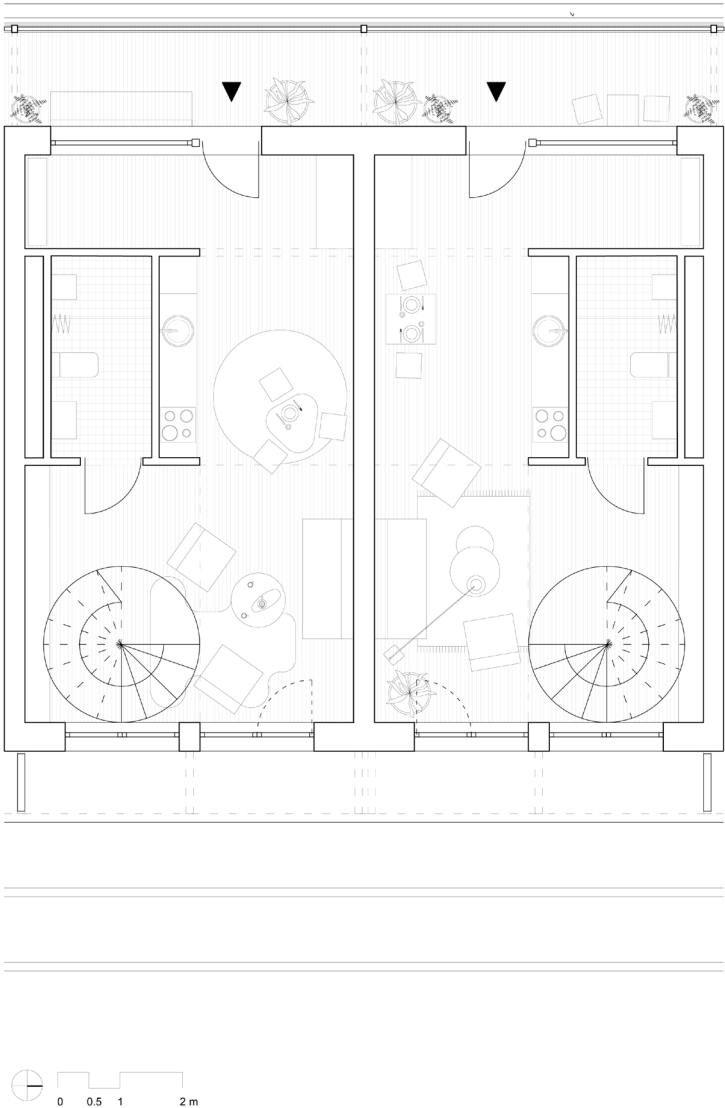
+2 Studios + assisted living 53 m²



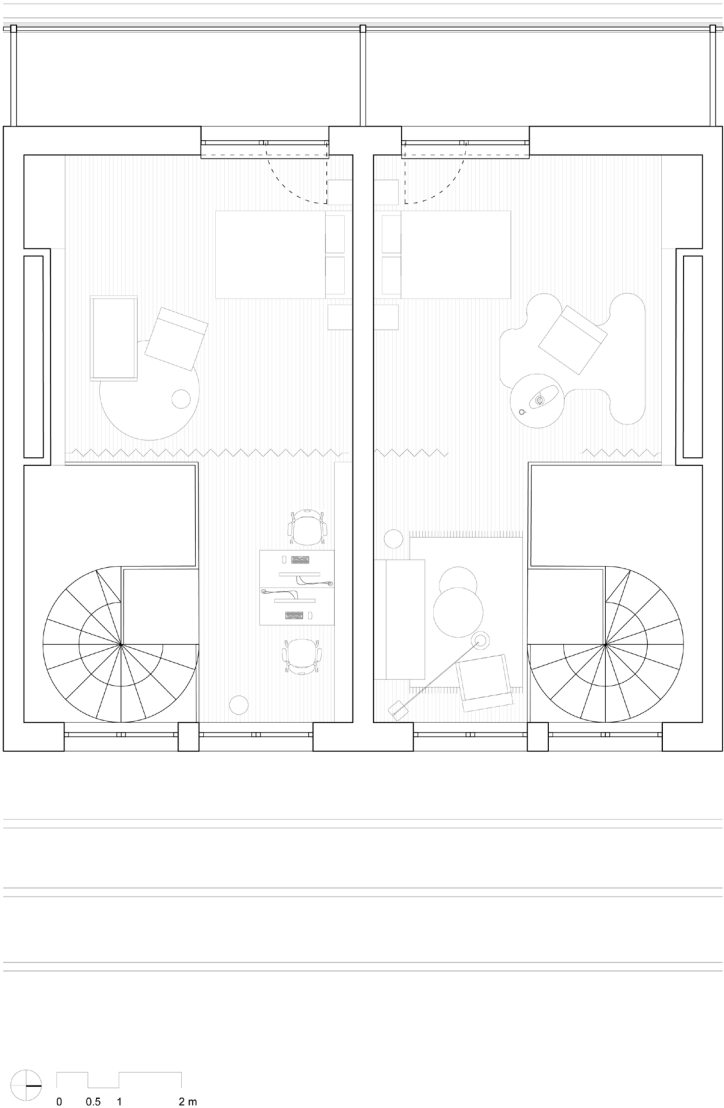
+3 Family Dwellings 64 m²

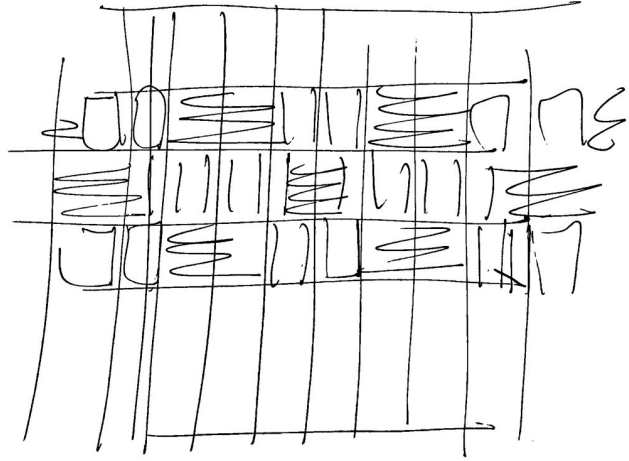


+4 Mezzanine Apartment 64 m²
(first level 37 m² + mezzanine 27 m²)



+4 1/2 Mezzanine 27 m²







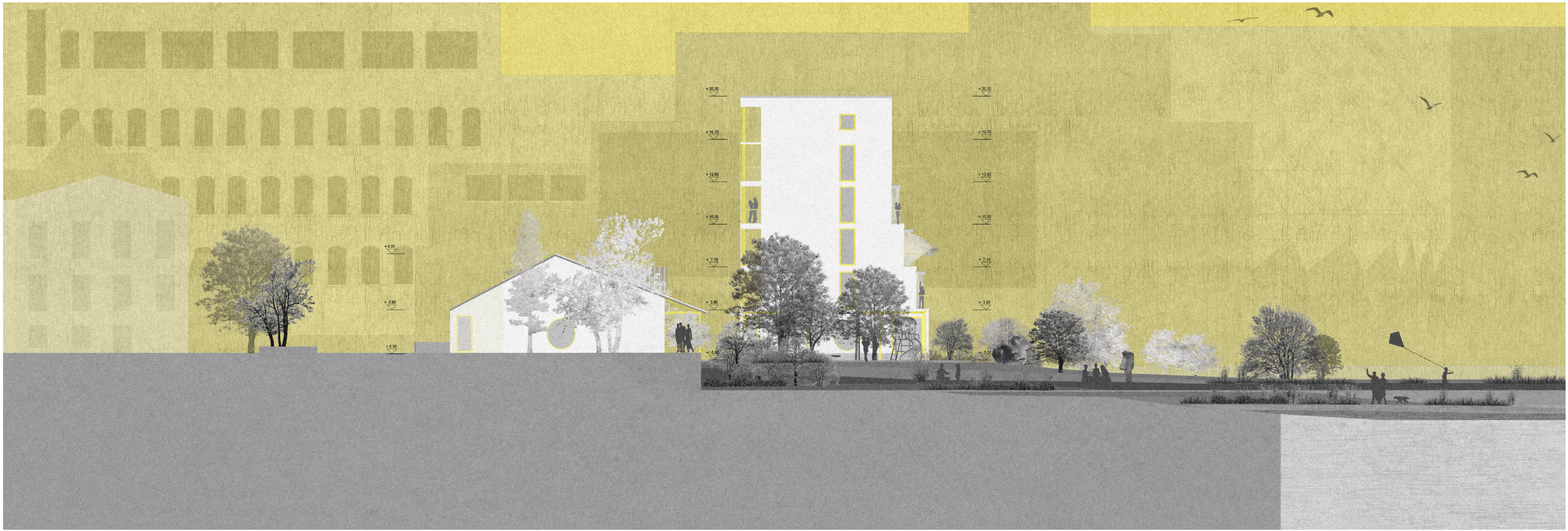
Elevation concept



West facade - city facade



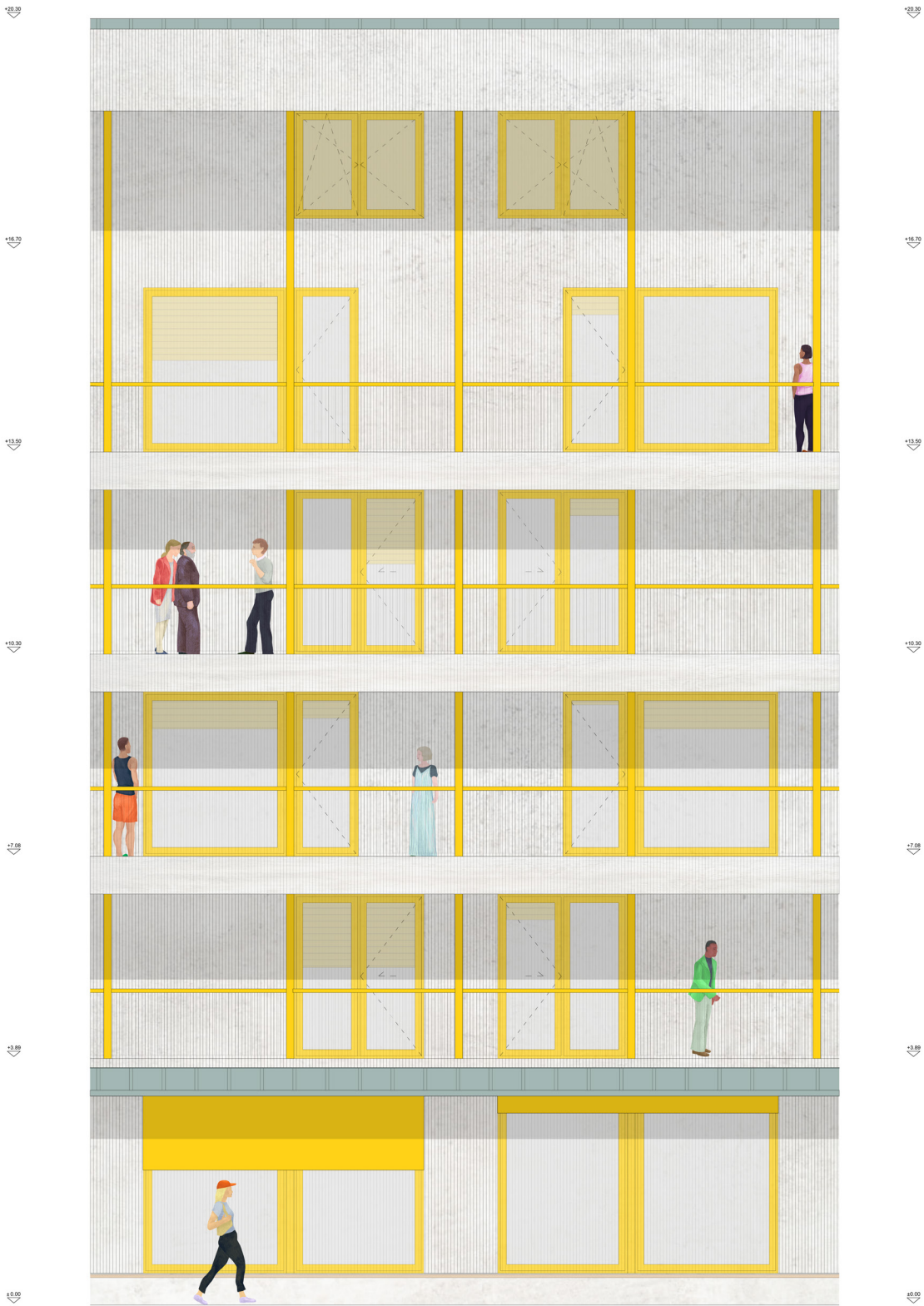
East facade - waterfront



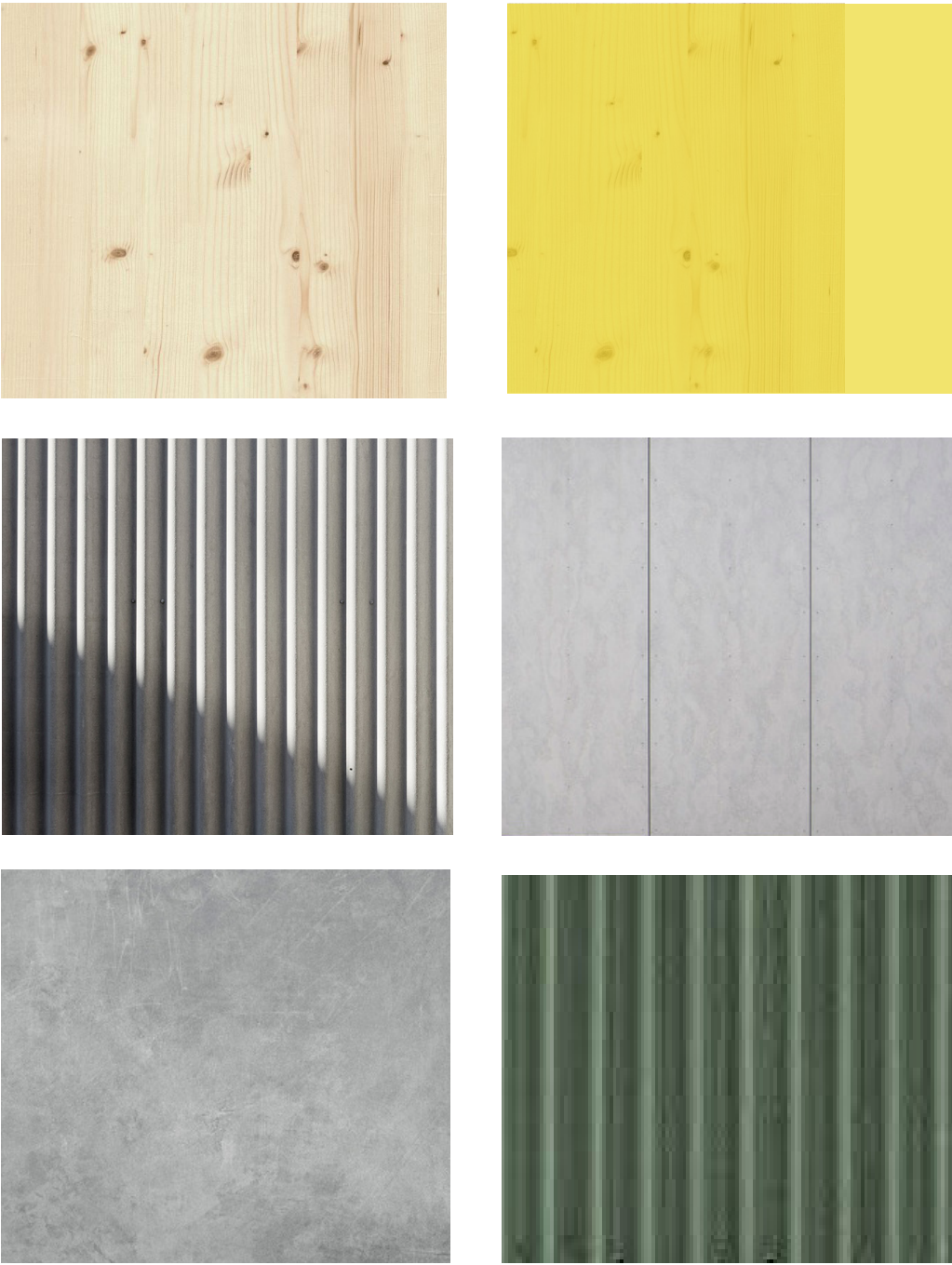
North facade



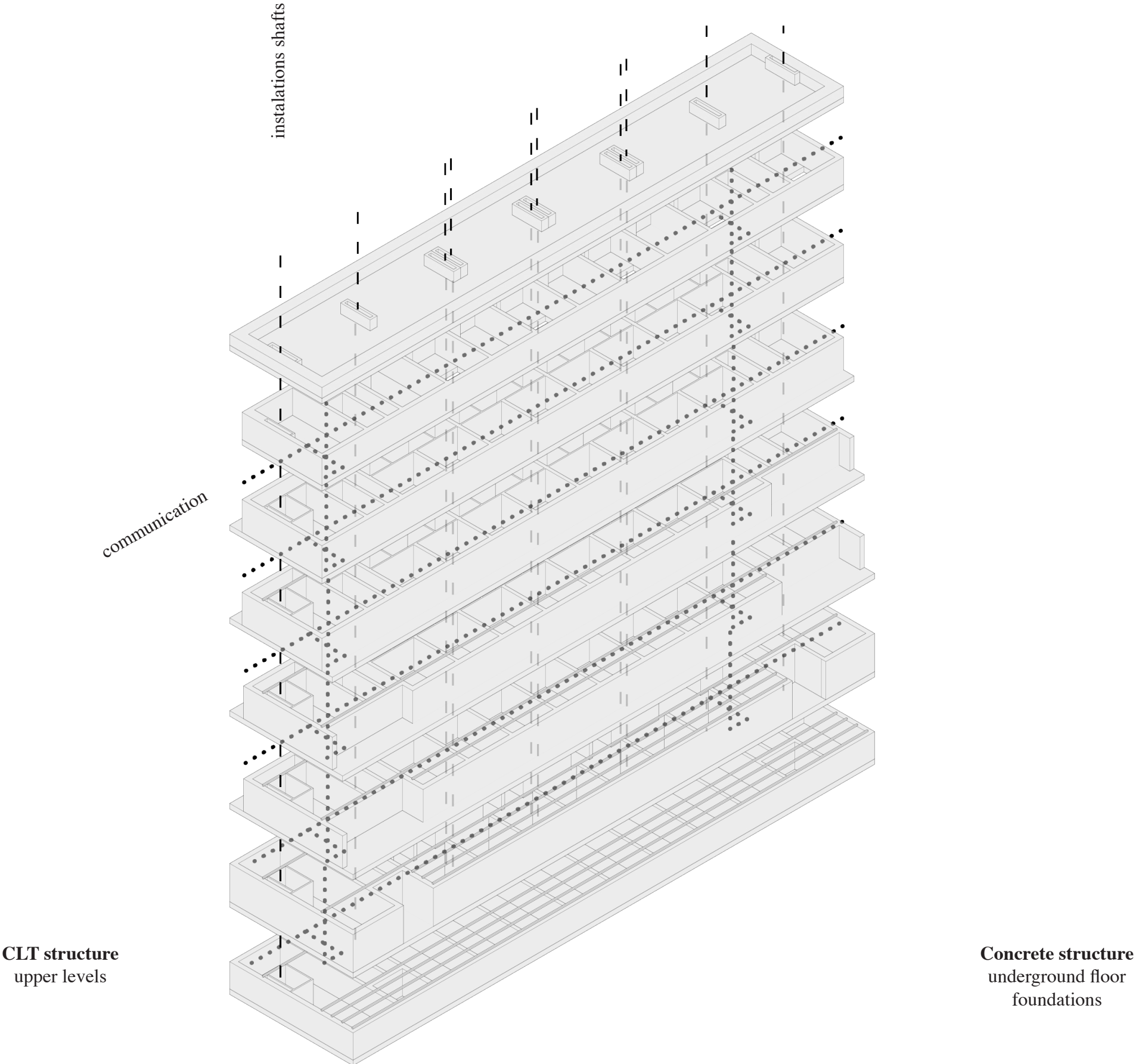
South facade



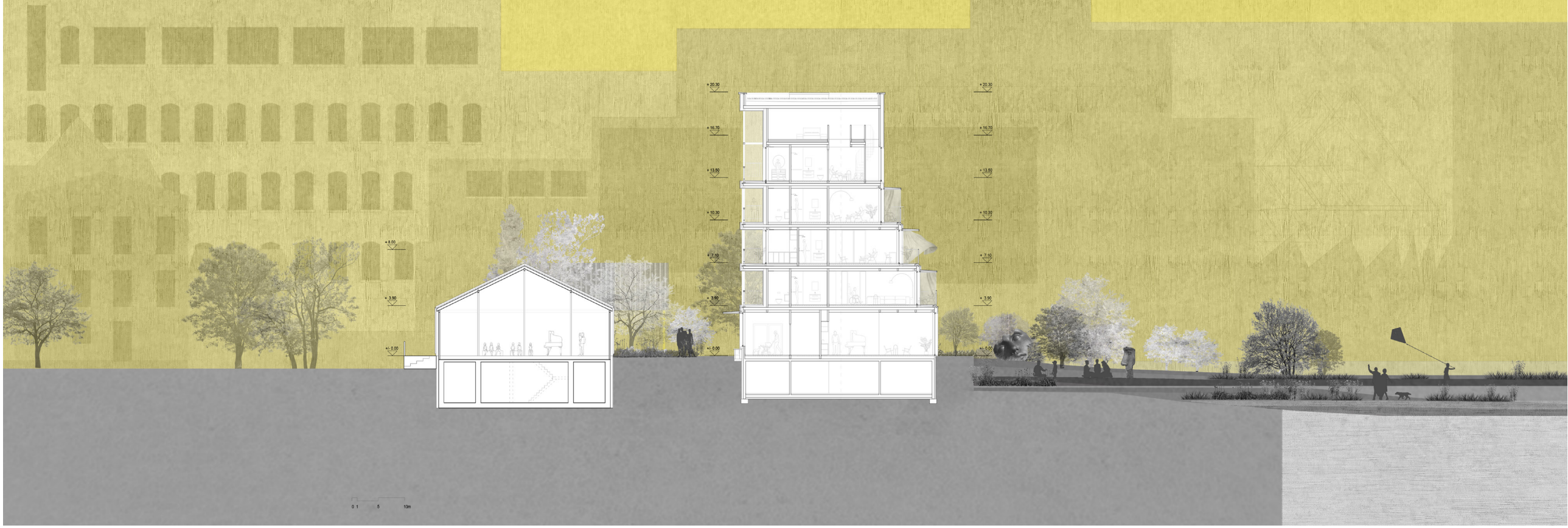
Elevation fragment

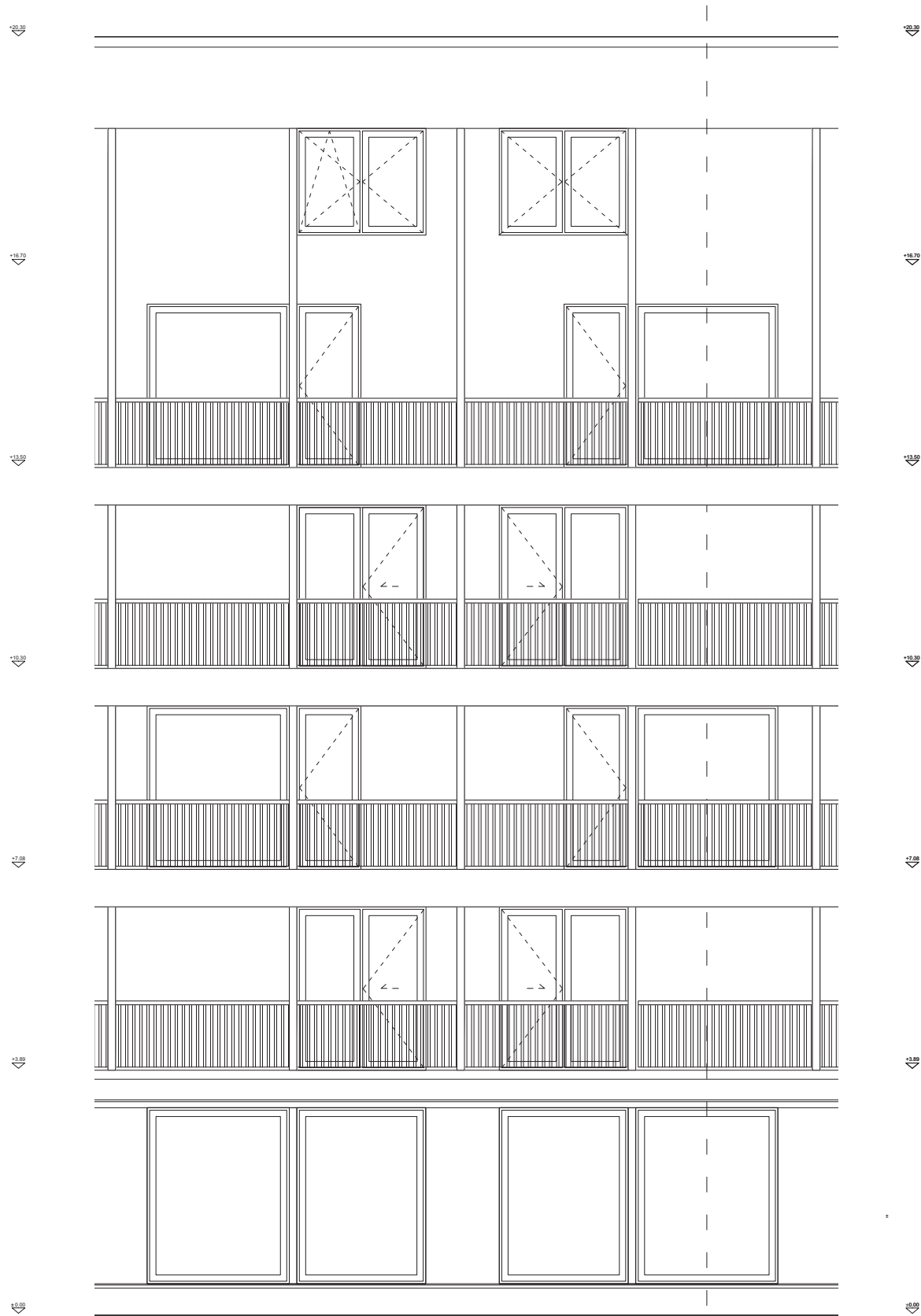
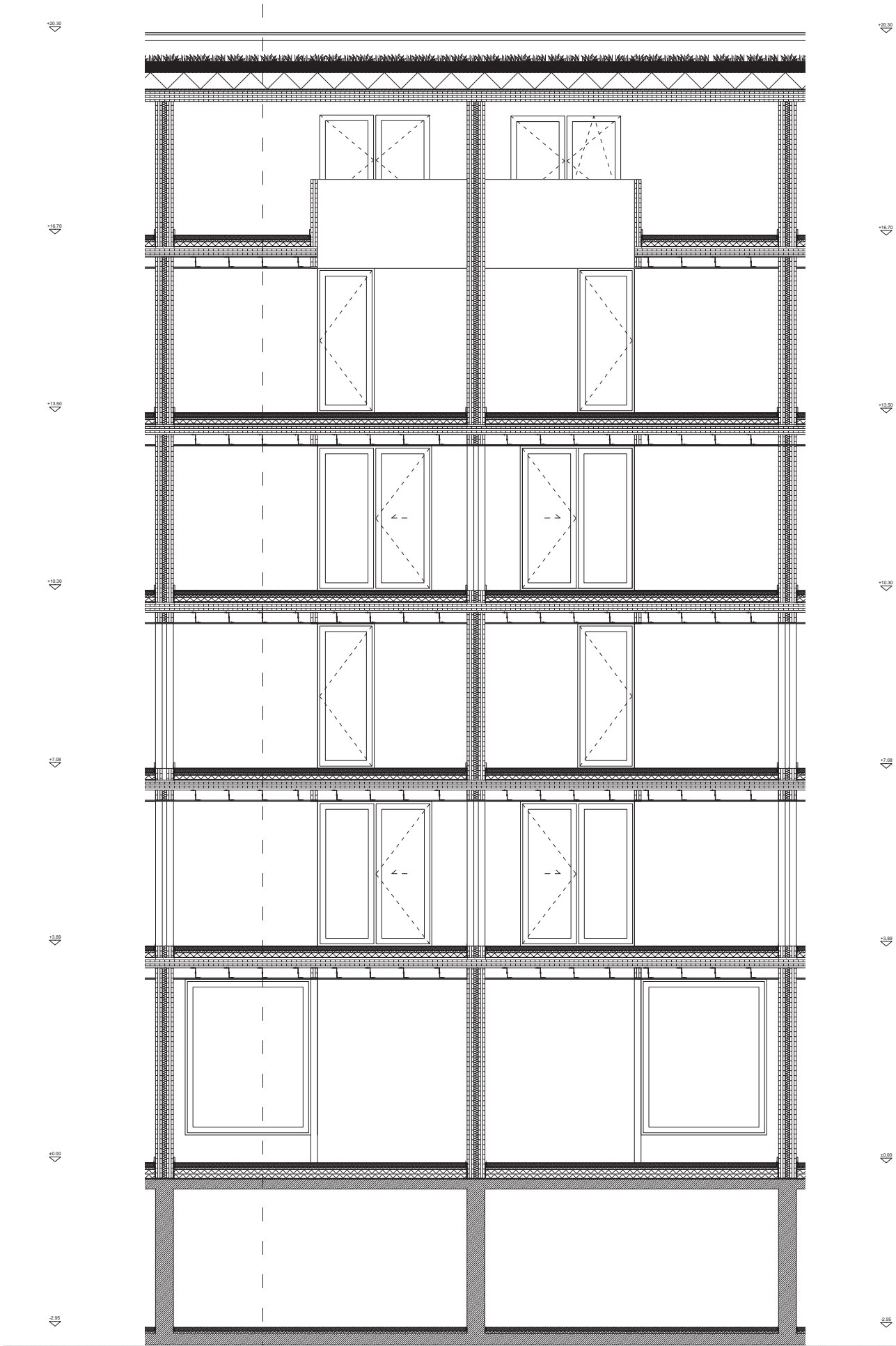


Materials



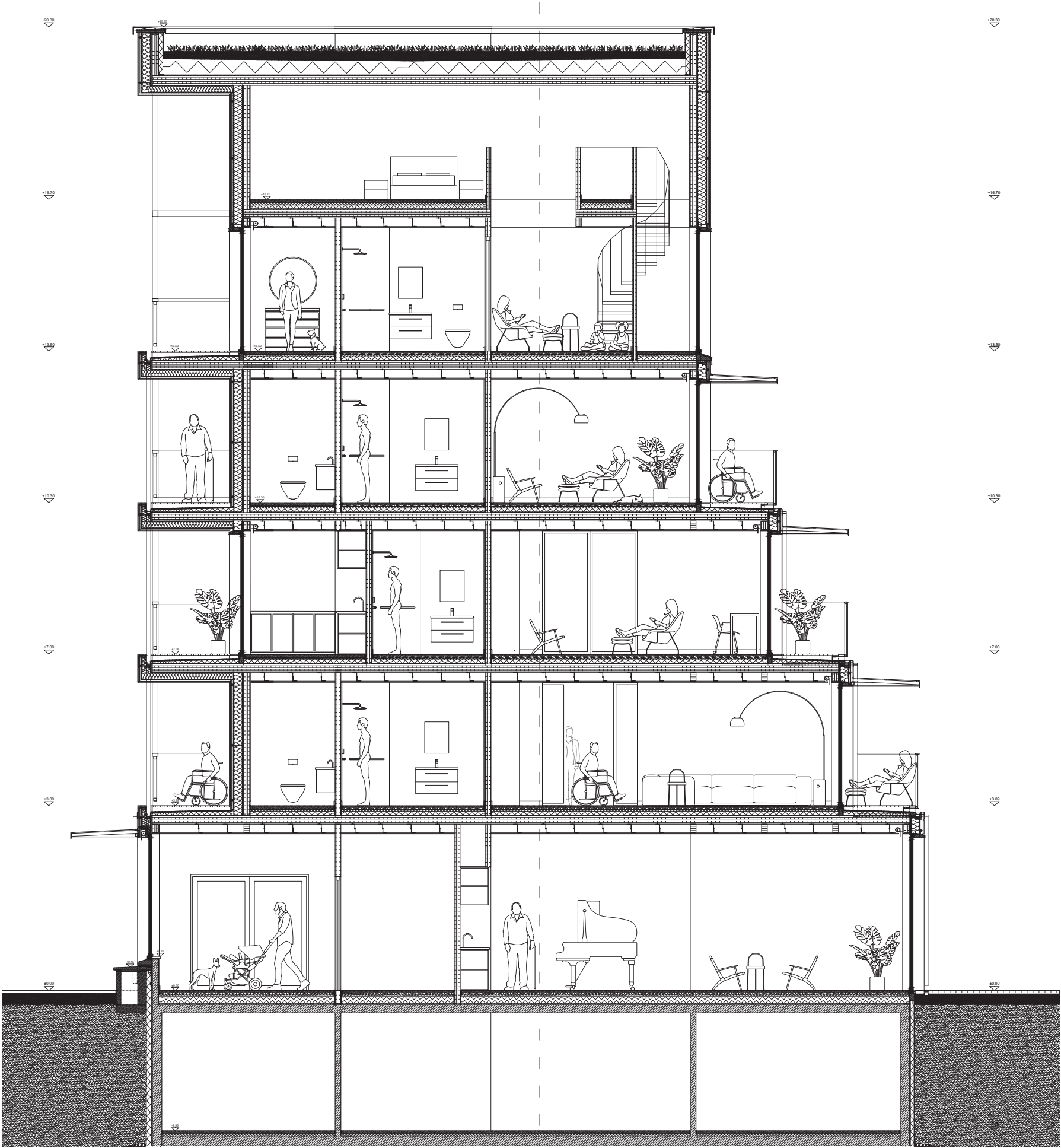
Stucture diagram

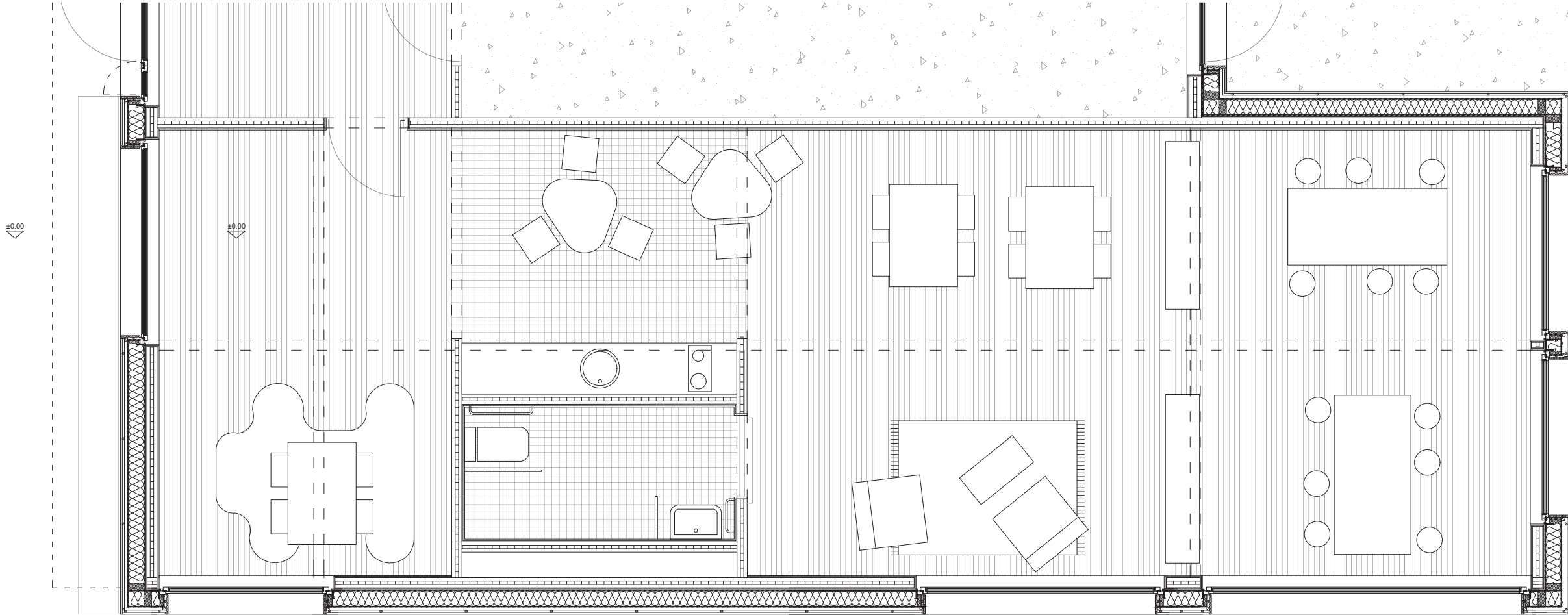




Elevation fragment (exterior, interior)

Detail section

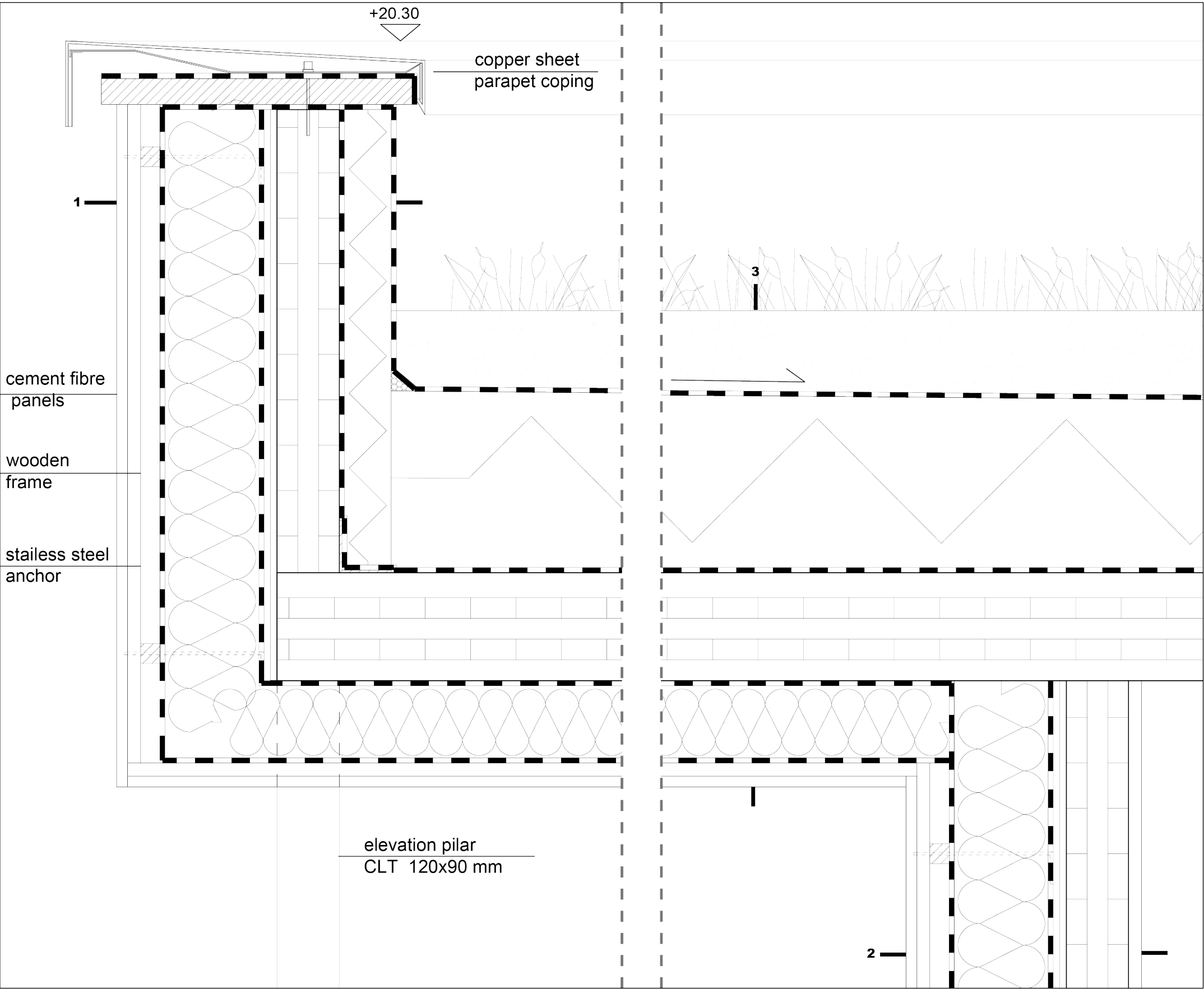




Detail plan

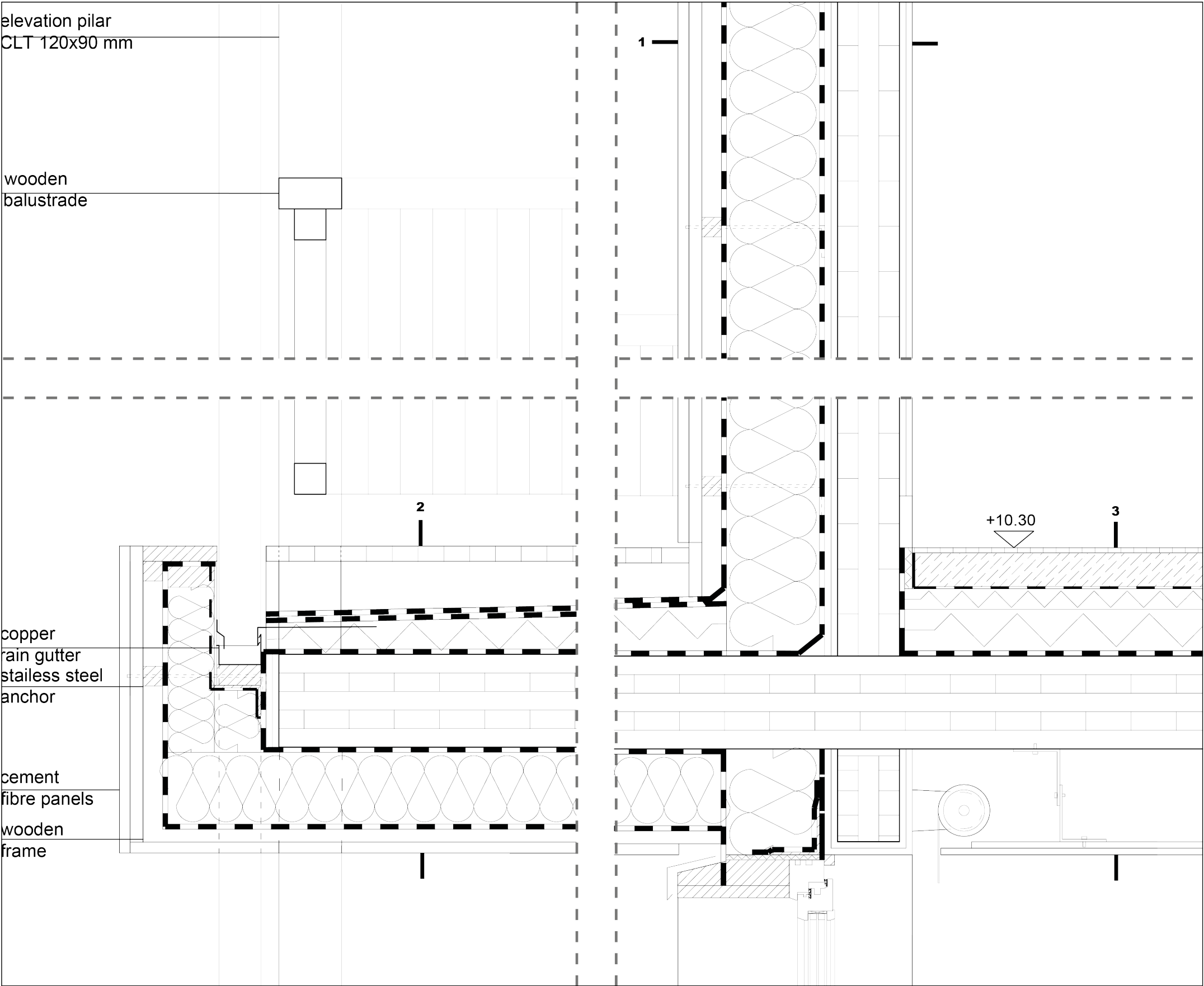
DETAIL I

- 1** cementfibre panels; timber frame; facade sealing layer; 180 mm mineral-wool thermal insulation; convection barrier; 2x 12.5 mm plasterboard; 120 mm CLT wall; vapour barrier; 90mm expanded polystyrene thermal insulation; sealing layer
- 2** cementfibre panels; timber frame; facade sealing layer; 180 mm mineral-wool thermal insulation; convection barrier; 2x 12.5 mm plasterboard; 120 mm CLT wall; 12.5 mm plasterboard
- 3** 80 mm extensive green roof 10 mm drainage layer; protective mat two- layer bituminous seal; 120-350 mm expanded polysterene thermal insulation; vapour berrier; 208 mm CLT slab; convection barrier; 140 mm mineral-wool thermal insulation; facade sealing layer; timber frame; cementfibre panels



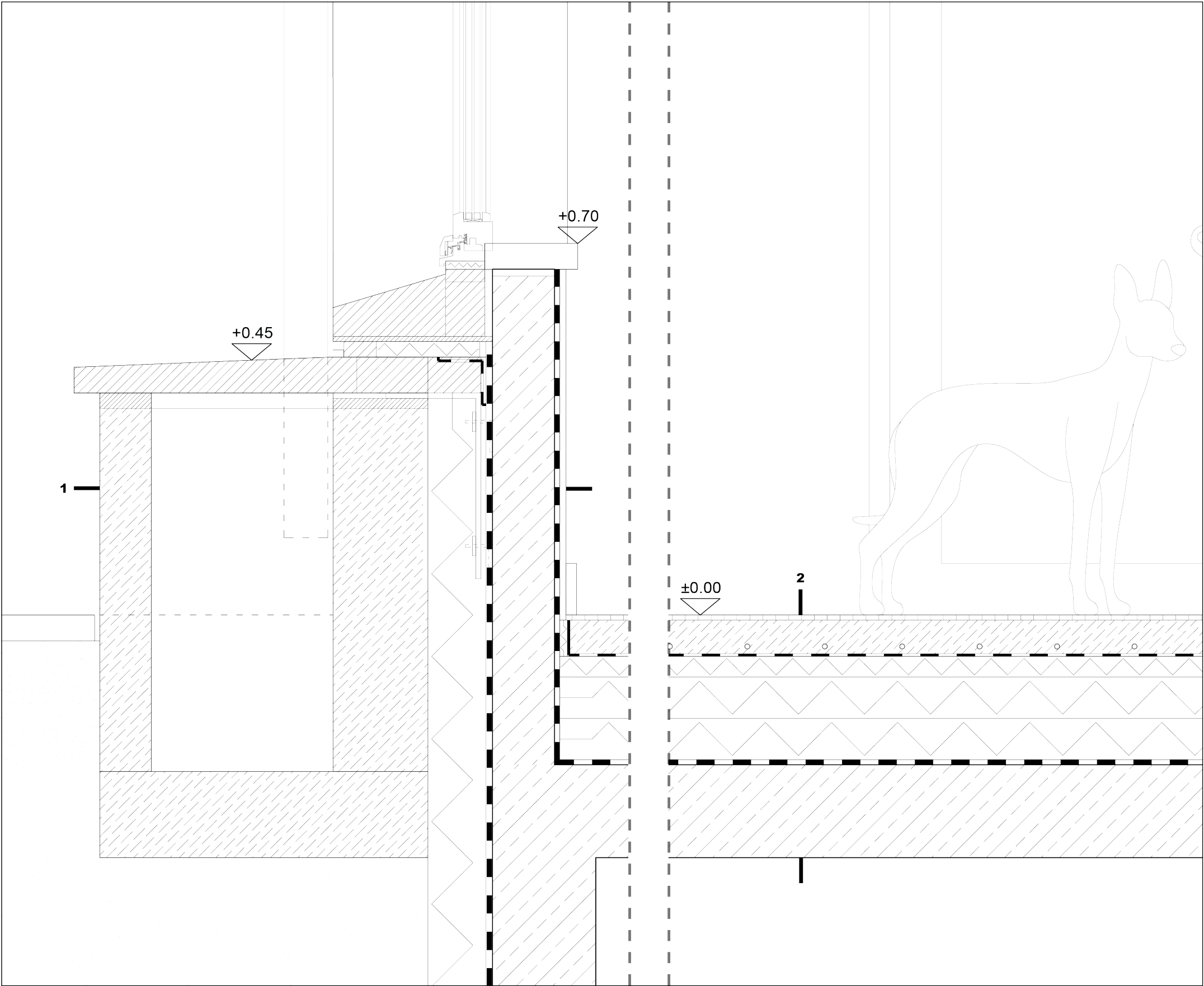
DETAIL III

- 1** cementfibre panels; timber frame; facade sealing layer; 180 mm mineral-wool thermal insulation; convection barrier; 2x 12.5 mm plasterboard; 120 mm CLT wall; 2x 12.5 mm plasterboard; wall finish (kitchen)
- 2** gallery flooring - timber planks; timber protective mat; two-layer seal; 80-130 mm expanded polysterene thermal insulation; vapour barrier; 208 mm CLT slab; convection barrier; 140 mm mineral-wool thermal insulation; facade sealing layer; timber frame; cementfibre panels
- 3** timber parquet; screed; polythene sheathing mineral wool impact-sound insulation; sealing membrane layer; 208 mm CLT slab



DETAIL IV

- 1** concrete bench; expanded polystyrene insulation; sealing layer; reinforced concrete wall
- 2** timber parquet; heating screed; polythene sheathing mineral wool impact-sound insulation; sealing membrane layer; reinforced concrete slab

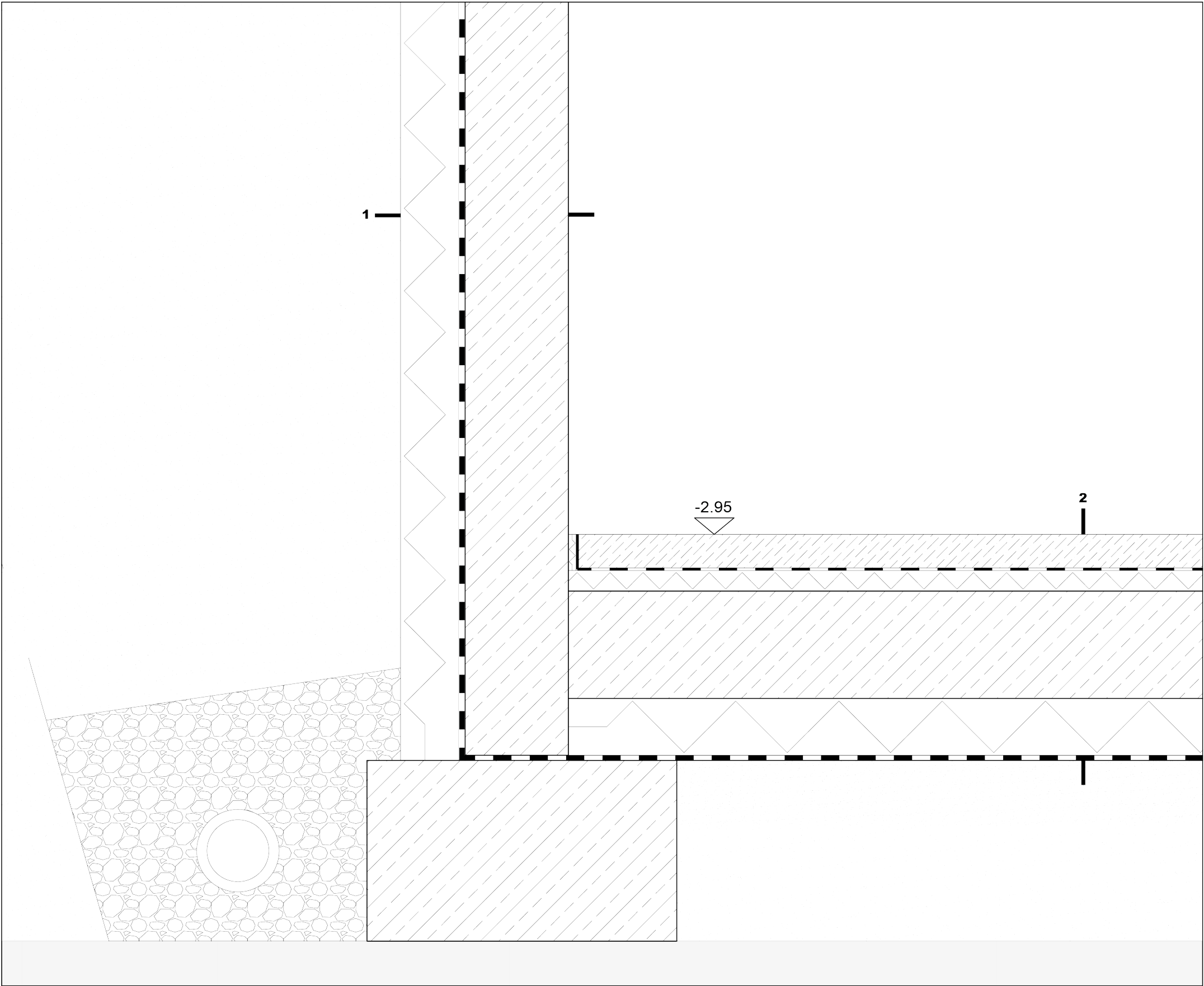


scale 1:5

0 0.1 0.25 m

DETAIL V

- 1 expanded polysterene insulation; sealing layer; reinforced concrete
- 2 epoxy flooring; screed; polythene separating layer; thermal insulation; reinforced concrete slab; expanded polysterene insulation



scale 1:5
0 0.1 0.25 m

